

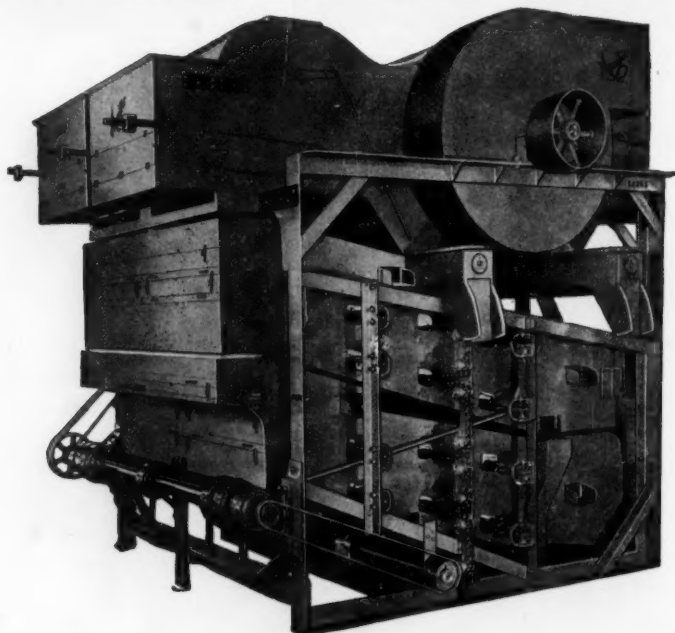
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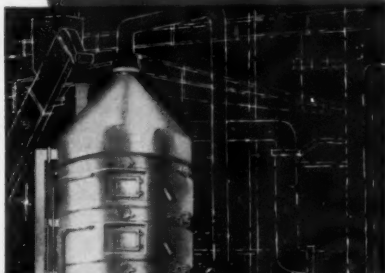
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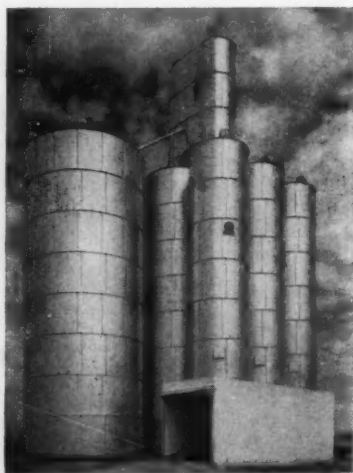


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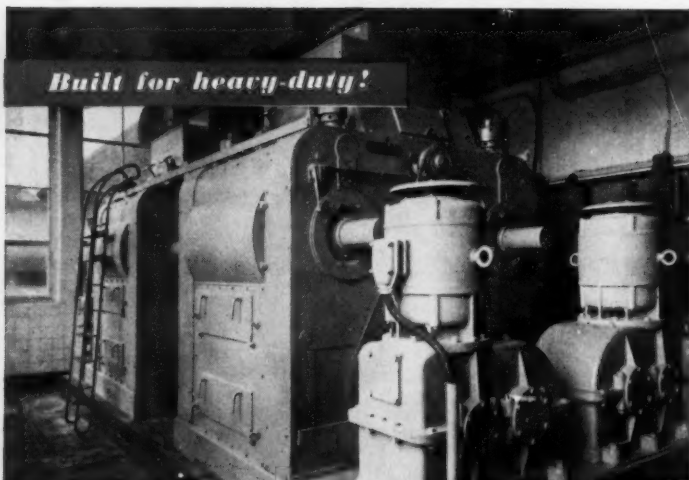
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Cable address—Agriport, Hudson, Iowa.

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Vice President—C. V. Simpson, Waterville, Minn.
Executive Vice President and Secretary-Treasurer—Geo. M. Strayer, Hudson, Iowa.

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Ohio—David G. Wing, Mechanicsburg; John Sawyer, London.
Ontario, Canada—W. M. Wallace, Woodslee.

ACTIVITIES

The American Soybean Association is the non-profit organization devoted to the interests of soybean growers and handlers of the nation. Organizational affairs are directed by a board of directors consisting of 17 members chosen by vote from the states where production is heaviest. Board membership is limited to actual producers of soybeans.

Objectives of the American Soybean Association include the bringing together of all persons interested in the production, distribution and utilization of soybeans; the collection and dissemination of the best available information relating to both the practical and scientific phases of the problems of increased yields coupled with lessened costs; the safe-guarding of production against diseases and insect pests; the promotion of the development of new varieties; the encouragement of the interest of federal and state governments and experiment stations; and the rendering of all possible services to the industry.

FIGHTS YOUR LEGISLATIVE BATTLES. The American Soybean Association promotes new markets and encourages the expansion of present markets for soybeans and soybean products, counsels with governmental agencies on programs affecting the soybean crop, represents and protects the interests of soybean growers and legislative matters and sponsors and encourages legislation and appropriations for research work on varieties, diseases, pests, new uses, and on factors limiting or affecting usage of soybean products. Association officers spend large amounts of time representing the interests of soybean growers in Washington and in the state capitals on legislative matters.

PROMOTES MARKETS for soybeans and soybean products in the United States and in

foreign countries. Constant contacts with export buyers and users serve to encourage and expand export markets for soybeans, soybean oil meal, soybean oil, lecithin and other products. Encouragement and promotion of markets for soybeans and soybean products in industry, human food and in livestock feeding operations are a major project of the Association.

In 1956 the American Soybean Association signed an agreement with the Foreign Agricultural Service of the U. S. Department of Agriculture for a soybean market development project in Japan to be financed by P. L. 480 funds and funds contributed by the soybean industry. The Japanese American Soybean Institute in Tokyo is the operating agency for this project.

This was the first market development project for U. S. soybeans and soybean products ever set up in any foreign country, and it has served as the forerunner for a number of market development projects that have followed in other parts of the world.

In a few short years this project has helped to create great interest on the part of Japanese industry and consumers in the use of U. S. soybeans in the Japanese economy and has set in motion the needed actions to overcome the obstacles to such usage.

For the work of the Japanese American Soybean Institute, see under the Institute's listing.

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PUBLICATIONS

The American Soybean Association issues three publications that are available to members.

The Soybean Digest is the only magazine in America devoted exclusively to soybeans. Editor, Geo. M. Strayer; managing editor, Kent Pellett; circulation manager, David B. Bramson; business manager, Geo. McCulley.

Subscription rate, including membership in the American Soybean Association—\$3 per year, 3 years \$7.50; Canada and other members of the Pan American Union, \$3.50; other foreign \$4. Single copies 30c.

The Soybean Blue Book is the annual directory of the soybean industry. Edited by the Soybean Digest staff. Assembled for quick reference are the latest available statistics on production, prices and utilization of soybeans, meal and oil, and directories of organizations, governmental agencies and business firms connected with the soybean industry.

Each member of the American Soybean Association receives a copy of the Soybean Blue Book. Additional copies to members, \$1.

AMERICAN SOYBEAN ASSOCIATION—(Continued)

Late News, the American Soybean Association newsletter, published 32 times yearly—weekly during the harvest and fall marketing seasons. Carries the latest crop and market news, export markets, and the latest from the nation's capital. Mailed first class to reach subscribers at the earliest possible date. \$7.50 annually to members.

MEMBERSHIP

Active Membership in the American Soybean Association is open to individuals on payment of annual dues of \$3 and includes subscription to the **Soybean Digest**.

Associate Membership is open to business organizations, corporations, partnerships and other agencies interested in the welfare of the soybean industry at a cost of \$10 per year, including one subscription to the **Soybean Digest**.

JAPANESE AMERICAN SOYBEAN INSTITUTE

Address—Room No. 410, Nikkatsu International Bldg., No. 1, 1-chome Yurakucho, Chiyoda-ku, Tokyo, Japan.

Managing Director—Shizuka Hayashi.

The Japanese American Soybean Institute was formed early in 1956 as the operating agency for the market development project in Japan for soybeans being conducted by the American Soybean Association in cooperation with the Foreign Agricultural Service of the U. S. Department of Agriculture and utilizing P. L. 480 funds and funds contributed by the soybean industry in the United States and Japan.

Purpose of the project is to further the market for American soybeans and soybean products by bringing about a closer understanding between the Japanese and the American soybean industries.

A delegation of Japanese industry leaders toured the United States in August and September 1956 to observe firsthand U. S. soybean production and facilities for handling, processing and exporting soybeans.

A similar American trade group returned the visit in late 1957, making a 3-week tour of the soybean industry in Japan and observing firsthand the problems of Japanese manufacturers in using U. S. soybeans in their food products.

The Institute sponsored exhibits of U. S. soybeans and soybean products at the International Trade Fair in Osaka, Japan, in 1956, in Tokyo in 1957, and Osaka in 1958.

With the Institute's sponsorship, the Food Life Improvement Association, a Japanese government agency under the Ministry of Agriculture, is holding promotional weeks for soybeans and soybean products in various important Japanese cities, with special sales of soybean products during the week.

And also under the Institute's sponsorship the Japan Nutrition Association, another governmental agency, is educating the government nutritionists in 800 public health centers in Japan concerning the nutritional value of soybeans and how to use them more effectively. The nutritionists in turn will give lessons and promote the use of soybean

products in meetings with women's and farmers' associations and other consumer groups.

Additional educational and promotional work by the Institute includes participation in public meetings and the utilization of newspapers, magazines and radio, and translation of American soybean literature into the Japanese language.

The Institute in 1957 in cooperation with Agricultural Research Service of the U. S. Department of Agriculture, sent Dr. A. K. Smith, specialist with USDA's Northern Utilization and Development Branch, to Japan in the interest of wider usage of U. S. soybeans in Japanese foods.

Under a cooperative agreement between Agricultural Research Service and Foreign Agricultural Service of the U. S. Department of Agriculture, and the American Soybean Association, two Japanese scientists completed a year's project to search for ways to increase the use of U. S. soybeans in Japanese foods at the Northern Utilization Research and Development Division, Peoria, Ill., in 1959.

The scientists are Kazuo Shibasaki, Tohoku University, Sendai, Japan; and Tokuji Watanabe, Food Research Institute, Japanese Ministry of Agriculture and Forestry. They are now in Japan where they are continuing studies on utilizing U. S. soybeans in the manufacture of Japanese foods.

The Institute has a movie film, "The Green Bud," showing production and consumption of soybeans with emphasis on food uses. And it is cooperating with the University of Kyoto in a research study on the usage of U. S. soybeans in natto.

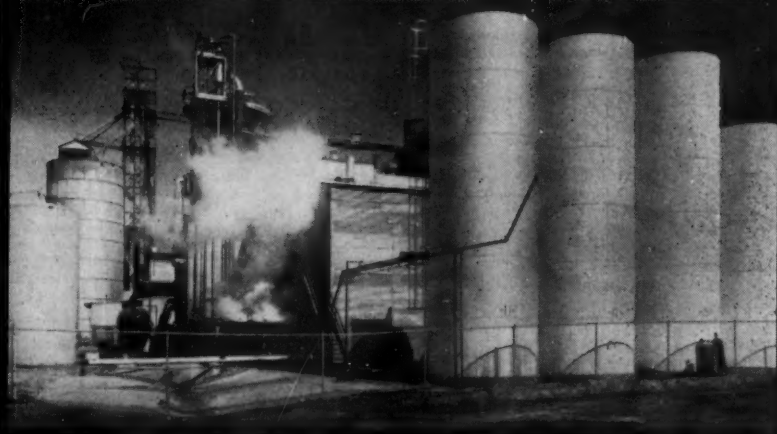
Starting in May 1958, 12 kitchen cars have been touring Japan and demonstrating the use of soybean and wheat food products, under a joint contract between the Western Wheat Associates, Inc., and the American Soybean Association. The contract provides that the kitchen car demonstrations, which are made by nutritionists, include recipes to cover at least one product made from wheat and one from soybeans, like soybean oil, miso, natto, tofu or kinako.

The demonstrations have proved to be very popular with Japanese housewives.

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Managing Director, National Soybean Crop Improvement Council—J. W. Calland, Box 108, Decatur, Ind.

Regular membership in the National Soybean Processors Association is limited to individuals, firms or corporations regularly engaged in the actual processing of soybeans. The Association now has 65 members who regularly process more than 90% of the soybeans crushed in the United States.

Recently the constitution of the Association was altered to provide for associate memberships. Firms which are consumers of soybean oil and/or soybean oil meal now are eligible for associate membership. A number of refiners and mixed feed manufacturers are now associate members of the Association.

The Association policy is determined by its board of directors who represent all sections of the processing areas and all types of processing units. The 11 committees of the Association carry on the general activities of the group.

Through this organization, equitable trading rules have been developed which have admirably and fairly served the buyers and sellers of soybean products during the years in which the soybean industry has made such remarkable growth.

The intense research activity fostered by the Association and its members has played an important part in placing the industry on the high plane which it enjoys today. The promotional efforts of the Association and its members have established a place for soybean products in highly competitive fields. Through this research and promotional activity the products of soybeans have become standard essentials in our food, feed and industrial markets.

The Soybean Research Council of the Association has played an important part in the development of the industry. Organized very early in the Association's history, and composed of the outstanding research men in the industry, the Council has been extremely active in the promotion of the general industry welfare.

In March 1948 the Association launched a national soybean crop improvement program with J. W. Calland of Decatur, Ind., as director.

Since the inauguration of the program, some 300,000 copies of the booklet, Soybean Farming, have been distributed. The publication is now in its third edition. A publication, Soybean News, issued four times a year, is being sent to a mailing list of over 21,000. A recent activity has been the production of a sound color 16-mm movie entitled, Soybeans—the Feature Story. This film runs 27 minutes. It is available from the American Soybean Association, Hudson, Iowa, the university film libraries in the principal soybean producing states and from the Modern Talking Picture Service, Inc., 142 E. Ontario St., Chicago 11, Ill. Soybeans—the Feature Story is now being produced in black and white for use on television stations and has been viewed by more than 18 million people. Prints for TV showings are available from Modern Talking Picture Service, TV division, 219 E. 44th St., New York 17, N. Y.

Working with the Crop Improvement Council is an advisory board made up of agronomists from 21 of the principal soybean states and two members of the U. S. Regional Soybean Laboratory. This board works closely with the Council in all matters of soybean production research, variety improvement and better cultural practices.

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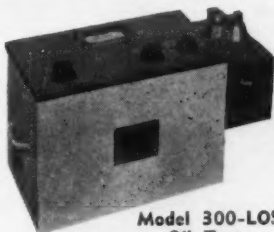
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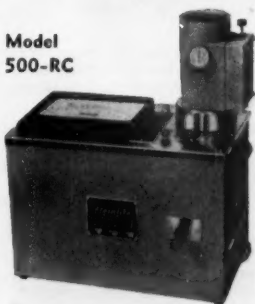


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The Council was organized to further expand the markets for soybeans and soybean products and make them more profitable for everybody through education, research and promotion.

The Council, in cooperation with the Foreign Agricultural Service of the U. S. Department of Agriculture, now has active market development projects for soybeans and soybean products in Spain, Italy, Israel, Germany, Egypt, Chile, Ecuador, and Colombia.

The Council is making intensive surveys of the market potentials for U. S. soybean products in many parts of the world, and market development programs in some of these areas will follow.

The Soybean Council's activities in the home market include studies to improve the quality of soybean oil and studies of the place of fats and oils in human nutrition. It is also working on the standardization of soy flour and a high protein bread to be made with soy flour.

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U. S. Regional Soybean Laboratory, 160 Davenport Hall, Urbana, Ill., J. L. Cartter, director.

Staff: Floyd I. Collins, chemist; Orland A. Krober, chemist; Robert W. Howell, physiologist; Richard L. Bernard, breeder; Calvin R. Mumaw, agronomist; Carolyn Younger, secretary.

FIELD

Abel, George H., Southwestern Irrigation Field Station, Brawley, Calif.

**Bothun, R. E., Department of Agronomy, Agricultural Experiment Station, Fargo, N. Dak.

Brim, Charles A., Dept. of Field Crops, N. C. State College, Raleigh, N. C.

**Brown, H. M., Department of Farm Crops, Agricultural Experiment Station, East Lansing, Mich.

**Brown, Otto, Gulf Coast Substation, Fairhope, Ala.

**Caviness, Charles E., Agricultural Experiment Station, Fayetteville, Ark.

**Franzke, Clifford J., Agricultural Experiment Station, College Station, S. Dak.

**Giles, W. L., Delta Branch Experiment Station, Stoneville, Miss.

**Gray, John P., Agricultural Experiment Station, Baton Rouge, La.

**Hadley, Henry H., Department of Agronomy, University of Illinois, Urbana, Ill.

**Harris, H. B., Agricultural Experiment Station, Experiment, Ga.

Hartwig, Edgar E., Coordinator for Southern States, Delta Branch Experiment Station, Stoneville, Miss.

Hinson, Kuell, Department of Agronomy, Florida Agricultural Experiment Station, Gainesville, Fla.

**Johnson, Wiley C., Agricultural Experiment Station, Auburn, Ala.

**Kramer, Herbert H., Agricultural Experiment Station, Lafayette, Ind.

**Lambert, Jean W., Agricultural Experiment Station, University Farm, St. Paul, Minn.

**Mader, E. L., Department of Agronomy, Agricultural Experiment Station, Manhattan, Kans.

*Part time with Soybean Laboratory.

**Collaborator without pay.

***Part time with Crops Research Division, A.R.S.

**Matlock, Ralph S., Agricultural Experiment Station, Stillwater, Okla.

**Paden, William R., Agricultural Experiment Station, Clemson, S. C.

Probst, Albert H., Agricultural Experiment Station, Lafayette, Ind.

**Skold, L. N., Agricultural Experiment Station, Knoxville, Tenn.

**Smith, Paul E., Department of Agronomy, Ohio State University, Columbus 10, Ohio.

**Smith, R. L., West Florida Experiment Station, Route 3, Jay, Fla.

**Smith, T. J., Agricultural Experiment Station, Blacksburg, Va.

**Staten, Raymond D., Agricultural Experiment Station, College Station, Tex.

**Torrie, James H., Dept. of Agronomy, University of Wisconsin, Madison 6, Wis.

Weber, Charles R., Agronomy Bldg., Iowa State College, Ames, Iowa.

**Williams, James H., Agricultural Experiment Station, Lincoln, Nebr.

Williams, Leonard F., Agricultural Experiment Station, Columbia, Mo.

DISEASE RESEARCH

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FIELD

***Athow, Kirk L., Agricultural Experiment Station, Lafayette, Ind.

Chamberlain, Donald W., Regional Soybean Laboratory, Urbana, Ill.

**Dunleavy, John, Agricultural Experiment Station, Ames, Iowa.

Jones, John P., Delta Branch Experiment Station, Stoneville, Miss.

Ross, John Paul, Box 5397, State College Station, Raleigh, N. C.

**Schmitthener, A. F., Ohio Agricultural Experiment Station, Wooster, Ohio.

***Wyllie, Thomas D., Agricultural Experiment Station, University of Minnesota, St. Paul 1, Minn.

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WORLD SOYBEAN PRODUCTION

Soybeans: Acreage, yield per acre, and production in specified countries and the world, averages 1935-39 and 1950-54, annual 1957-59 1/

[illegible]

11/ Years shown refer to years of harvest. Southern Hemisphere crops which are harvested in the early part of the year are combined with those of the Northern Hemisphere harvested the latter part of the same year. 2/ Figures refer to harvested areas as far as possible. 3/ Preliminary. 4/ Less than 5 years. 5/ Acreage harvested for beans. 6/ Less than 500 acres. 7/ One year only. 8/ Purchases for export. Local consumption is small. 9/ Java and Madura only. 10/ Includes estimates for the above countries for which data are not available and for minor producing countries. Foreign Agricultural Statistics, 1960, includes North Korea. 11/ Includes estimates of foreign governments, other foreign source material, reports of U. S. Agricultural Attaches and other U. S. representatives abroad, and related information. Prelaw estimates for countries having changed boundaries have been adjusted to conform to present boundaries, except as noted.

CANADIAN PRODUCTION

Soybean acreage, yield per acre, and production, 1942-1959

Soybean oil and oilcake production, crop years 1943-44 through 1958-59

Year	Acreage Acres	Yield per acre Bushels	Production Bushels	Crop year	Soybeans crushed Bushels	Oil produced Tons	Oilcake and meal produced Tons
1942	44,000	21.0	925,000				
1943	35,600	16.0	569,100	1943-44	241,315	1,078	6,308
1944	36,200	18.8	681,820	1944-45	889,283	3,875	21,064
1945	46,200	18.3	844,000	1945-46	1,541,869	7,333	36,439
1946	59,200	18.1	1,072,000	1946-47	2,277,304	11,362	52,596
1947	61,000	18.2	1,110,000	1947-48	2,300,743	12,236	54,343
1948	94,000	19.4	1,824,000	1948-49	3,901,831	19,832	89,002
1949	104,000	25.1	2,605,000	1949-50	4,958,799	25,237	116,845
1950	142,000	23.4	3,323,000	1950-51	7,393,274	36,338	176,343
1951	155,000	24.8	3,843,000	1951-52	7,059,102	35,163	169,762
1952	172,000	24.0	4,128,000	1952-53	8,406,128	43,963	200,725
1953	216,000	20.4	4,406,000	1953-54	8,837,753	46,695	213,169
1954	254,000	19.5	4,953,000	1954-55	10,211,458	52,559	241,465
1955	214,000	26.4	5,650,000	1955-56	11,799,336	62,085	279,095
1956	243,200	21.8	5,301,000	1956-57	13,445,526	70,911	322,848
1957	256,000	25.4	6,508,000	1957-58	13,794,847	72,966	326,377
1958	263,000	25.3	6,649,000	1958-59 1/	14,912,041	77,470	352,912
1959 1/	251,000	27.2	6,828,000				

1/ Preliminary. Compiled from official records of the Dominion Bureau of Statistics. U. S. Department of Agriculture, Foreign Agricultural Service, Fats and Oils Division.

1/ Preliminary. Compiled from official records of the Dominion Bureau of Statistics. U. S. Department of Agriculture, Foreign Agricultural Service, Fats and Oils Division.

SOYBEAN PRODUCTION, UTILIZATION AND VALUE, 1936-1959 CANADA

Year beginning Aug. 1	Production 000 bu.	Imports 000 bu.	Supplies 000 bu.	Exports of beans 000 bu.	Farm value of production \$ 000	Processed for oil and meal 000 bu.	Soybean oil produced 000 lb.	Soybean oilcake produced Short tons
1936	248	7	255		N. A.	N. A.	N. A.	N. A.
1937	159	44	203		N. A.	N. A.	N. A.	N. A.
1938	204	109	313		N. A.	N. A.	N. A.	N. A.
1939	215	136	351		N. A.	N. A.	N. A.	N. A.
1940	233	27	260		N. A.	N. A.	N. A.	N. A.
1941	217	46	263		N. A.	N. A.	N. A.	N. A.
1942	925	35	960		1,509	N. A.	N. A.	N. A.
1943	569	168	737		1,026	241	2,156	6,308
1944	682	476	1,158		1,362	889	7,751	21,064
1945	844	1,245	2,089		1,604	1,542	14,666	36,439
1946	1,072	1,786	2,858		2,370	2,277	22,723	52,596
1947	1,110	1,075	2,185		3,397	2,301	24,472	54,343
1948	1,824	2,066	3,890		4,195	3,902	39,664	89,002
1949	2,605	2,837	5,442		5,887	4,959	50,474	116,845
1950	3,323	4,723	8,046		8,474	7,393	72,676	176,343
1951	3,843	4,229	8,072		10,571	7,059	70,325	169,762
1952	4,128	3,897	8,025		10,526	8,406	87,926	200,725
1953	4,406	4,948	9,354	568	10,795	8,838	93,930	213,169
1954	4,953	7,694	12,647	905	11,887	10,211	105,118	241,465
1955	5,650	8,309	13,959	1,492	11,808	11,799	124,171	279,095
1956	5,301	10,608	15,909	1,578	11,376	13,446	141,822	322,848
1957	6,508	10,786	17,294	2,126	12,695	13,795	145,931	326,377
1958	6,649	12,031	18,680	2,593	12,231	14,912	154,993	352,912
1959 1/	6,828							

1/ Preliminary. Compiled from official records of the Dominion Bureau of Statistics. U. S. Department of Agriculture, Foreign Agricultural Service, Fats and Oils Division.

SOYBEAN CRUSHINGS IN CANADA

Soybean crushings in Canada, crop years 1946-47 through 1958-59

Year	Quantity crushed bu.	Oil produced lb.	Oil meal produced tons
1946-47	2,277,304	22,723,208	52,596
1947-48	2,300,743	24,472,042	54,343
1948-49	3,901,831	39,663,914	89,002
1949-50	4,958,799	50,473,816	116,845
1950-51	7,393,274	72,676,381	176,343
1951-52	7,059,102	70,325,206	169,762
1952-53	8,406,128	87,925,833	200,725
1953-54	8,837,753	93,389,955	213,169
1954-55	10,211,458	105,117,779	241,465
1955-56	11,799,336	124,170,765	279,095
1956-57	13,445,526	141,822,239	322,848
1957-58	13,794,847	145,931,225	326,377
1958-59 1/	14,912,041	154,939,082	352,912

1/ Preliminary. From Dominion Bureau of Statistics, Ottawa.

SOYBEAN PRODUCTION-UNITED STATES

Soybeans: Acreage, yield and production in the United States, 1924-59

Year	Acres planted			Acres harv.—		Grazed or plowed under	Average yield per acre harv. for		Total prod. for beans Thous. bushels	Total prod. for hay Thous. tons
	Grown alone	Inter- planted*	Equivalent solid†	for beans‡	for hay		for beans	for hay		
	Thousand acres	Thousand acres	Thousand acres	Thousand acres	Thousand acres		Bushels	Tons		
1924	1567	417	1782	448	1147	187	11.0	1.13	4947	1299
25	1539	476	1785	415	1175	195	11.7	1.01	4875	1185
1930	3072	786	3473	1074	2062	337	13.0	.94	13929	1938
31	3835	909	4304	1141	2772	391	15.1	1.26	17260	3479
32	3704	893	4165	1001	2738	426	15.1	1.25	15158	3433
33	3537	813	3957	1044	2506	407	12.9	1.16	13509	2917
34	5764	858	6207	1556	4227	424	14.9	1.08	23157	4545
35	6966	1028	7503	2915	4044	544	16.8	1.34	48901	5422
36	6127	2115	7183	2359	3116	1708	14.3	.96	33721	3002
37	6332	2261	7464	2586	3469	1409	17.9	1.36	46164	4731
38	7318	2541	8587	3035	3724	1828	20.4	1.43	61906	5335
39	9565	2710	10920	4315	4590	2015	20.9	1.48	90141	6772
1940	10487	2589	11782	4807	4819	2156	16.2	1.34	78045	6450
41	10068	2555	11345	5889	3546	1910	18.2	1.30	107197	4616
42	13696	2426	14912	9894	2621	2397	19.0	1.36	187524	3555
43	14191	2475	15428	10397	3177	1854	18.3	1.21	190133	3837
44	13118	1861	14050	10245	2577	1228	18.8	1.18	192121	3040
45	13056	1505	13807	10740	1940	1127	18.0	1.26	193167	2451
46	11706	1458	12434	9932	1499	1003	20.5	1.28	203395	1912
47	13052	1408	13755	11411	1292	1052	16.3	1.22	186451	1574
48	11987	1259	12617	10682	1111	824	21.3	1.30	227217	1446
49	11872	1165	12456	10482	1130	844	22.3	1.32	234194	1488
1950	15048	1184	15640	13807	963	870	21.7	1.31	299249	1260
51	15176	955	15655	13615	893	1147	20.8	1.24	283777	1110
52	15958	831	16374	14435	1085	854	20.7	1.10	298839	1191
53	16394	653	16719	14829	1037	853	18.2	1.09	269169	1134
54	18541	663	18872	17047	876	949	20.0	1.04	341075	913
1955	19658	603	19959	18620	711	628	20.1	1.28	373522	910
56	21671	578	21960	20642	559	759	21.8	1.28	449446	717
57	21912	475	22149	20826	489	834	23.2	1.28	483715	628
58	24900	465	25133	23900	532	838	24.3	1.43	579713	760
59§	22917	459	23147	22428	425	541	24.0	1.41	537895	600

*Grown with other crops. †Equivalent solid acreage (acreage grown alone with an allowance for acreage grown with other crops). §Preliminary. Source of data: Agricultural Marketing Service, U. S. Dept. of Agriculture.

Soybean acreage, yield and production in the United States by states, 1959*

State	Acres planted			Acres harv.—		Grazed or plowed under	Average yield per acre harv. for		Total prod. for beans Thous. bushels	Total prod. for hay Thous. tons
	Grown alone	Inter- planted	Equivalent solid**	for beans‡	for hay		for beans	for hay		
	Thousand acres	Thousand acres	Thousand acres	Thousand acres	Thousand acres		Bushels	Tons		
N. Y.	8	---	8	4	---	1	16.0	---	64	---
N. J.	47	---	47	44	1	3	26.0	1.60	1144	2
Pa.	40	---	40	18	9	14	23.0	1.55	414	14
Ohio	1446	---	1446	1472	12	6	26.0	1.50	38272	18
Ind.	2228	---	2228	2312	23	5	26.0	1.50	60112	34
Ill.	4825	---	4825	4740	15	14	26.5	1.40	125610	21
Mich.	224	---	224	225	---	7	24.0	---	5400	---
Wis.	98	---	98	95	---	3	18.5	1.70	1758	---
Minn.	2222	---	2222	2193	4	29	19.0	---	41667	7
Iowa	2387	---	2387	2394	5	10	26.5	1.65	63441	8
Mo.	2317	---	2317	2270	12	58	23.0	1.25	52210	15
N. D.	228	---	228	233	---	11	13.0	---	3029	---
S. D.	149	---	149	137	---	7	11.5	---	1576	---
Nebr.	136	---	136	150	---	5	26.0	---	3900	---
Kans.	456	---	456	434	4	9	21.0	1.70	9114	7
Del.	172	---	172	153	4	1	22.5	1.30	3442	5
Md.	212	---	212	205	4	11	20.5	1.45	4202	6
Va.	295	30	310	291	9	24	20.5	1.35	5966	12
W. Va.	6	---	6	---	5	2	---	1.60	---	8
N. C.	540	70	575	436	49	28	22.0	1.20	9592	59
S. C.	412	76	450	370	18	42	16.0	1.10	5920	20
Ge.	109	66	142	87	15	32	16.0	1.05	1392	16
Fla.	48	---	48	46	---	2	23.0	---	1058	---
Ky.	189	---	189	157	44	6	24.0	1.70	3768	75
Tenn.	366	36	384	317	56	28	22.5	1.60	7132	90
Ala.	179	---	179	140	30	4	22.5	1.00	3150	30
Miss.	994	26	1007	903	64	20	23.0	1.55	20769	99
Ark.	2244	28	2258	2318	20	43	24.5	1.35	56791	27
La.	185	127	249	138	11	96	24.0	1.10	3312	12
Okla.	72	---	72	68	6	14	21.0	1.15	1428	7
Tex.	83	---	83	78	5	6	29.0	1.50	2262	8
U. S.	22917	459	23147	22428	425	541	24.0	1.41	537895	600

*Preliminary. **Acreage grown alone, plus one-half the interplanted acreage. †Equivalent solid acreage (acreage grown alone, with an allowance for acreage grown with other crops).

SOYBEAN PRODUCTION—(Continued)

Soybeans: Supply and utilization in the United States, 1924-59 (1,000 bushels)

Year beginning Oct. 1	Supply				Utilization				Carry- over Sept. 30.7 ^a	
	Total stocks Oct. 1 ^b	Produc- tion**	Imports for con- sump- tion	Total supply†	Seed	Feed‡	Processed for oil and meal	Exports§		Other uses
1924-25	5	4,947	60	5,012	1,900	1,207	307	-----	1,596	2
1925-26	2	4,875	71	4,948	2,289	1,174	351	-----	1,134	8
1926-27	8*	5,239	67	5,306	2,525	1,311	335	-----	1,133	2
1927-28	2	6,938	70	7,010	2,687	1,631	559	-----	2,133	8*
1928-29	8*	7,880	77	7,957	2,984	1,473	882	-----	2,548	70
1929-30	70	9,438	64	9,572	3,762	1,730	1,666	-----	2,298	116
1930-31	116	13,929	54	14,099	4,724	2,763	4,069	-----	2,049	494
1931-32	494	17,260	49	17,803	4,633	2,867	4,725	2,161	3,295	122
1932-33	122	15,158	13	15,293	4,490	2,264	3,470	2,450	2,561	58
1933-34	58	13,509	6	13,573	7,615	2,111	3,054	-----	1,767	26
1934-35	26	23,157	5	23,188	10,066	2,036	9,105	19	1,643	319
1935-36	319	48,901	4	49,224	8,875	3,898	25,181	3,490	7,419	361
1936-37	361	33,721	17	34,099	9,539	2,741	20,618	19	889	293
1937-38	293	46,164	3	46,460	10,947	3,273	30,310	1,392	198	340
1938-39	340	61,906	3	62,249	14,667	4,554	44,648	4,424	-7,009	965
1939-40	965	90,141	2	91,108	15,974	5,365	56,684	10,979	1,713	393
1940-41	393	78,045	1	78,439	15,141	4,999	64,056	284	-6,731	690
1941-42	690	107,197	8*	107,887	20,385	3,925	77,151	489	-72	6,009
1942-43	6,009	187,524	8*	193,533	20,980	6,016	133,454	917	19,629	12,537
1943-44	12,537	190,133	8*	202,670	19,758	5,496	142,306	962	19,995	14,153
1944-45	14,153	192,121	4	206,278	18,911	3,529	153,402	5,090	17,607	7,739
1945-46	7,739	193,167	8*	200,906	16,745	3,727	159,460	2,858	13,760	4,356
1946-47	4,356	203,395	8*	207,751	17,455	2,638	170,245	3,880	8,140	5,393
1947-48	5,393	186,451	8*	191,844	16,066	2,503	161,397	2,972	6,289	2,617
1948-49	2,617	227,217	7	229,841	15,945	2,805	183,664	23,015	1,231	3,181
1949-50	3,181	234,194	4	237,379	19,021	2,506	195,265	13,142	4,538	2,907
1950-51	2,907	299,249	2	302,158	18,225	2,530	251,990	27,833	-2,581	4,161
1951-52	4,161	283,777	1	287,939	19,539	2,027	244,380	17,046	1,358	3,589
1952-53	3,589	298,839	2	302,430	20,539	1,852	234,404	31,908	3,593	10,134
1953-54	10,134	269,169	19	279,322	22,900	1,358	213,158	39,663	2,236	1,345
1954-55	1,345	341,075	1	342,421	23,426	1,590	249,010	60,619	-583	9,949
1955-56	9,949	373,522	2	383,473	26,086	1,656	283,126	67,483	3,045	3,731
1956-57	3,731	449,446	0	453,177	26,225	1,682	315,941	85,360	15,744	9,897
1957-58	9,897	483,715	0	493,612	29,357	1,474	353,806	85,507	3,859	21,083
1958-59	21,083	579,713	0	600,796	27,134	2,186	401,234	110,071	4	62,353
1959-60	62,353	537,895	0	600,248						

^aFactory and warehouse stocks only, through Oct. 1, 1941; total stocks, Oct. 1, 1942, and subsequently.
^bCrop of year listed first, e.g., the 1924 crop was 4,947,000 bushels. ^cSum of stocks, production and im-ports. The "total supply" figures for years previous to 1942-43 are incomplete to the extent that they do not include stocks on farms, in country elevators, and at terminal markets. (Such stocks were not reported previous to Oct. 1, 1942.) Figures are not adjusted for new crop soybeans used in September. ^dFed to livestock on farms where produced. ^eData not available for years previous to 1931-32. Includes shipments to U. S. territories, 1937-38 through 1950-51. ^fResidual item. This includes soybeans fed to livestock other than on farms where the soybeans were produced. It may also include small quantities used for human food. Prior to 1931-32 it includes exports. Prior to 1937-38 it includes shipments to U. S. territories. The minus quantities shown for some years are explainable largely by unreported stocks (prior to October 1942) and by the use of new crop soybeans in September of year of production. ^gFactory and warehouse stocks only, through Sept. 30, 1941; total stocks, Sept. 30, 1942, and subsequently. ^hLess than 500 bushels. Source of data: Agricultural Marketing Service, U. S. Department of Agriculture.

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SOYBEAN PRODUCTION

Soybeans: Acreage, yield and production 1924-59 by states

Year	Acres planted			Acres harv.		Grazed or plowed under	Average yield		Total prod. for hay Thous. tons
	Grown alone Thousand acres	Inter- planted ^a Thousand acres	Equivalent solid ^b	for beans ^c Thousand acres	for hay Thousand acres		per acre for beans Bushels	for hay Tons	
Alabama									
1924	95	25	107	3	81	23	6.5	.80	65
1930	150	14	157	8	129	20	5.0	.80	103
1940	275	37	294	11	238	45	6.5	.90	214
1950	150	10	155	73	68	14	19.0	1.00	68
51	166	8	170	88	66	16	18.0	.90	59
52	166	7	170	92	68	10	19.0	.80	54
53	149	6	152	92	53	7	20.5	.90	48
54	165	7	169	104	54	11	11.5	.75	40
55	148	---	148	94	51	3	23.0	1.00	51
56	155	---	155	110	43	2	21.0	.95	41
57	163	---	163	122	39	2	20.0	.85	33
58	179	---	179	132	43	4	22.5	1.00	43
59§	179	---	179	140	30	4	22.5	1.00	30
Arkansas									
1924	24	27	38	3	24	11	6.5	1.10	26
1930	76	51	102	9	76	17	7.5	.75	57
1940	205	413	411	63	163	185	12.0	1.25	204
1950	646	176	734	581	80	73	21.5	1.20	96
51	685	111	741	607	74	60	20.0	1.15	85
52	952	88	996	866	100	30	16.0	.90	90
53	800	62	831	665	108	58	11.0	.85	92
54	980	90	1025	902	90	33	11.5	.80	72
55	1277	66	1310	1217	50	43	18.0	1.10	55
56	1558	60	1588	1509	35	44	18.0	1.00	35
57	1433	36	1451	1383	27	41	23.5	1.25	34
58	2078	30	2093	2026	25	42	24.5	1.35	37
59§	2244	28	2258	2318	20	43	24.5	1.35	20
Delaware									
1924	18	---	18	12	6	---	11.0	1.00	6
1930	25	---	25	15	10	---	6.0	1.15	12
1940	48	---	48	25	16	3	12.0	1.20	19
1950	74	---	74	63	8	7	14.0	1.30	10
51	69	---	69	61	6	2	14.5	1.30	8
52	67	---	67	58	7	2	17.0	1.35	9
53	72	---	72	64	6	2	16.5	1.25	8
54	78	---	78	68	9	2	17.5	1.20	10
55	110	---	110	105	4	1	20.0	1.30	5
56	155	---	155	150	4	1	23.0	1.30	5
57	152	---	152	146	4	1	17.5	1.30	5
58	167	---	167	161	5	1	22.5	1.30	6
59§	172	---	172	153	4	1	22.5	1.30	5
Florida									
(Not estimated prior to 1949)									
1949	8	---	8	6	---	2	20.0	---	---
1950	9	---	9	7	---	2	19.0	---	---
51	10	---	10	8	---	2	18.0	---	---
52	14	---	14	12	---	2	20.0	---	---
53	17	---	17	14	---	3	18.0	---	---
54	35	---	35	29	---	6	12.0	---	---
55	40	---	40	36	---	4	22.0	---	---
56	40	---	40	34	---	6	22.0	---	---
57	50	---	50	45	---	5	23.0	---	---
58	48	---	48	46	---	2	25.0	---	---
59§	48	---	48	46	---	2	23.0	---	---
Georgia									
1924	40	28	54	10	25	19	5.5	.80	20
1930	56	26	69	10	50	9	5.5	.87	44
1940	100	120	160	13	90	57	7.0	.95	86
1950	78	58	107	26	28	53	11.0	.95	27
51	86	55	114	21	30	63	10.5	.90	34
52	90	76	128	36	36	56	10.5	.95	27
53	100	74	137	45	41	51	12.0	1.00	41
54	100	100	150	29	44	77	7.0	.75	33
55	90	54	117	57	34	26	12.0	1.05	36
56	107	54	134	83	27	24	13.5	.95	26
57	122	60	152	100	23	29	14.0	1.00	23
58	115	66	148	90	17	41	12.5	1.00	17
59§	109	66	142	87	15	32	16.0	1.05	16

*Grown with other crops. †Equivalent solid acreage (acreage grown alone with an allowance for acreage grown with other crops). §Preliminary. Source of data: Agricultural Marketing Service, U. S. Dept. of Agriculture.

SOYBEAN PRODUCTION—(Continued)

Soybeans: Acreage, yield and production 1924-59 by states

Year	—Acres planted— Grown alone Inter-planted* Equivalent solid† —Thousand acres—			—Acres harv.— for beans† —Thousand acres—	Grazed or plowed under	Average yield per acre harv. for beans Bushels	Average yield per acre harv. for hay Tons	Total prod. for beans Thous. bushels	Total prod. for hay Thous. tons
Illinois									
1924	315	---	315	115	200	12.0	1.30	1380	260
1930	720	---	720	410	310	17.0	1.20	6970	372
1940	3011	---	3011	1995	748	268	17.5	34912	935
1950	4108	---	4108	3989	94	25	24.0	95736	122
51	3841	---	3841	3731	72	38	25.5	95140	101
52	3840	---	3830	3716	95	19	24.0	89184	104
53	3983	---	3983	3846	104	33	20.5	78843	114
54	4262	---	4262	4143	85	34	21.5	89074	94
55	4390	---	4390	4328	41	21	23.0	99544	49
56	4697	---	4697	4649	20	28	28.5	132496	27
57	4979	---	4979	4914	25	40	25.5	125307	30
58	5079	---	5079	5066	16	46	28.0	141848	21
59‡	4825	---	4825	4740	15	14	26.5	125610	21
Indiana									
1924	204	---	204	66	109	29	9.9	653	133
1930	443	---	443	151	248	44	14.0	2114	273
1940	1418	---	1418	723	548	147	13.0	9399	548
1950	1765	---	1765	1652	88	25	22.5	37170	128
51	1800	---	1800	1706	72	22	22.5	38385	104
52	1782	---	1782	1683	77	22	23.5	39550	104
53	1889	---	1889	1808	62	19	21.0	37968	78
54	2002	---	2002	1922	60	20	24.0	46128	78
55	2102	---	2102	2039	53	10	21.5	43838	74
56	2186	---	2186	2142	33	11	24.0	51408	50
57	2230	---	2230	2174	22	34	24.5	52994	30
58	2297	---	2297	2269	24	71	27.0	61263	36
59‡	2228	---	2228	2312	23	5	26.0	60112	34
Iowa									
1924	23	---	23	10	13	---	12.0	120	20
1930	124	---	124	66	57	1	15.5	1023	74
1940	1481	---	1481	709	707	65	20.0	14180	1202
1950	1960	---	1960	1930	18	12	22.0	42460	29
51	1638	---	1638	1583	12	43	20.5	32452	17
52	1540	---	1540	1526	7	7	25.5	38913	12
53	1679	---	1679	1657	12	10	21.5	35626	18
54	2149	---	2149	2119	10	20	26.5	56154	14
55	2278	---	2278	2261	8	9	20.0	45220	11
56	2551	---	2551	2500	14	37	20.0	50000	20
57	2844	---	2844	2827	8	9	27.0	76329	12
58	3100	---	3100	3116	6	6	25.5	79458	9
59‡	2387	---	2387	2394	5	10	26.5	63441	8
Kansas									
1924	11	---	11	2	9	---	11.0	42	12
1930	27	---	27	7	20	---	7.5	52	22
1940	78	---	78	26	43	9	12.0	312	67
1950	409	---	409	397	4	8	18.0	7146	6
51	495	---	495	401	5	89	14.5	5814	7
52	703	---	703	640	35	28	11.5	7360	37
53	598	---	598	496	48	54	8.0	3968	43
54	425	---	425	306	13	106	8.0	2448	9
55	374	---	374	335	4	35	10.0	3350	4
56	408	---	408	355	6	47	8.5	3018	6
57	241	---	241	214	4	23	11.5	2461	5
58	434	---	434	421	4	9	22.0	9262	7
59‡	436	---	436	434	4	9	21.0	9114	7
Kentucky									
1924	40	10	45	9	30	6	9.5	86	33
1930	110	8	114	9	88	17	7.5	68	66
1940	180	27	194	31	130	33	13.0	403	169
1950	202	18	211	126	66	19	17.5	2205	96
51	212	16	220	130	70	20	19.0	2470	98
52	220	14	227	110	99	18	15.5	1705	119
53	200	14	207	96	91	20	13.0	1248	118
54	204	20	214	128	71	15	16.0	2048	96
55	204	6	207	134	66	7	18.0	2412	106
56	190	---	190	133	51	6	22.5	2992	87
57	188	---	188	130	52	6	20.5	2665	83
58	220	---	220	155	54	7	24.5	3798	97
59‡	189	---	189	157	44	6	24.0	3768	75

*Grown with other crops. †Equivalent solid acreage (acreage grown alone with an allowance for acreage grown with other crops). ‡Preliminary. Source of data: Agricultural Marketing Service, U. S. Dept. of Agriculture.

SOYBEAN PRODUCTION—(Continued)

Soybeans: Acreage, yield and production 1924-59 by states

Year	Acres planted			Acres harv.		Grazed or plowed under	Average yield per acre harv.		Total prod. for beans	
	Grown alone	Inter-planted ^o	Equivalent solid†	for beans†	for hay		for beans	for hay	Thous. bushels	Thous. tons
	Thousand acres			Thousand acres			Bushels	Tons		
Louisiana										
1924	10	70	45	8	32	5	8.0	.90	64	29
1930	34	194	131	16	76	39	10.5	1.00	168	76
1940	110	530	375	15	82	278	13.5	1.25	202	102
1950	89	300	239	37	12	190	18.0	1.25	666	15
51	140	300	290	38	12	240	17.5	1.10	665	13
52	130	255	258	41	17	200	14.5	1.05	594	18
53	117	209	221	40	11	170	16.0	1.15	640	13
54	152	245	274	53	9	212	16.0	1.15	848	10
55	137	180	227	88	11	128	22.0	1.10	1936	12
56	185	184	277	135	12	130	17.0	1.10	2295	13
57	160	149	234	119	9	106	21.0	.90	2499	8
58	170	134	237	130	11	96	22.0	1.00	2860	11
59‡	185	127	249	138	11	96	24.0	1.10	3312	12
Maryland										
1924	33	6	36	5	16	15	11.8	1.40	59	22
1930	33	—	33	5	25	3	6.5	.85	32	21
1940	65	—	65	19	35	11	13.5	1.50	256	52
1950	95	—	95	67	21	7	17.0	1.45	1139	30
51	95	—	95	77	12	6	16.0	1.40	1232	17
52	94	—	94	75	15	4	18.6	1.45	1350	22
53	115	—	115	95	18	2	19.0	1.45	1805	26
54	132	—	132	108	21	3	18.5	1.45	1998	30
55	175	—	175	155	12	8	20.0	1.45	3100	17
56	219	—	219	201	5	12	22.0	1.55	4422	9
57	208	—	208	187	7	14	17.5	1.25	3272	9
58	210	—	210	193	6	11	22.0	1.60	4246	10
59‡	212	—	212	205	4	11	20.5	1.45	4202	6
Michigan										
1924	8	—	8	2	6	—	13.0	1.30	26	8
1930	7	—	7	1	6	—	10.0	.80	10	5
1940	187	—	187	77	67	43	16.5	1.50	1270	100
1950	122	—	122	114	4	4	20.0	1.30	2280	5
51	128	—	128	120	4	4	20.5	1.70	2460	7
52	105	—	105	92	4	9	19.0	1.40	1748	6
53	118	—	118	110	2	6	19.0	1.40	2090	3
54	165	—	165	158	4	3	22.0	1.40	3476	6
55	145	—	145	138	2	5	22.0	1.50	3036	3
56	207	—	207	200	1	6	21.0	1.40	4200	1
57	248	—	248	236	—	12	22.0	—	5192	—
58	280	—	280	265	—	15	23.0	—	6095	—
59‡	224	—	224	225	—	7	24.0	—	5400	—
Minnesota										
(Not estimated prior to 1933)										
1933	15	—	15	—	15	—	—	1.30	—	20
1934	117	—	117	2	115	—	15.0	1.10	30	126
1940	251	—	251	53	183	15	15.0	1.85	795	339
1950	1200	—	1200	1148	38	14	15.5	1.40	17794	53
51	1140	—	1140	1077	13	50	17.5	1.40	18848	18
52	1197	—	1197	1155	6	36	19.0	1.55	21945	9
53	1400	—	1400	1351	7	42	20.5	1.30	27696	9
54	2044	—	2044	2014	8	22	21.0	1.50	42294	12
55	2286	—	2286	2253	7	26	19.5	1.40	43934	10
56	2697	—	2697	2627	—	70	20.0	—	52540	—
57	2697	—	2697	2549	—	148	21.5	—	54804	—
58	3129	—	3129	3082	—	47	17.5	—	53935	—
59‡	2222	—	2222	2193	—	29	19.0	—	41667	—
Mississippi										
1924	45	58	80	21	48	11	8.0	1.00	168	48
1930	85	75	130	12	103	15	6.5	1.00	78	103
1940	332	428	546	39	268	239	10.0	1.25	390	335
1950	504	91	550	358	131	61	25.0	1.35	8950	177
51	600	70	635	425	127	83	13.0	1.20	5525	152
52	618	63	650	455	130	65	13.5	1.05	6142	136
53	494	50	519	250	120	149	12.0	1.05	3000	126
54	716	50	741	519	133	89	10.0	1.00	5190	133
55	717	35	735	626	74	35	19.0	1.40	11894	104
56	832	32	848	732	76	40	16.0	1.30	11712	99
57	716	30	731	615	66	50	19.0	1.40	11685	92
58	938	27	952	800	76	76	23.0	1.60	18400	122
59‡	994	26	1007	903	64	20	23.0	1.55	20769	99

*Grown with other crops. †Equivalent solid acreage (acreage grown alone with an allowance for acreage grown with other crops). ‡Preliminary. Source of data: Agricultural Marketing Service, U. S. Dept. of Agriculture.

SOYBEAN PRODUCTION—(Continued)

Soybeans: Acreage, yield and production 1924-59 by states

Year	Acres planted—			Acres harv.— for beans†	Acres harv.— for hay	Grazed or plowed under	Average yield per acre harv.		Total prod. for beans Thous. bushels	Total prod. for hay Thous. tons
	Grown alone	Inter- planted*	Equivalent solid†				for beans	for hay Tons		
	Thousand acres						Thousand acres			
Missouri										
1924	165	---	165	48	112	5	7.5	1.20	360	134
1930	422	50	447	138	288	21	7.0	.85	966	245
1940	564	80	604	109	401	94	13.0	1.40	1417	561
1950	1225	48	1249	1209	25	15	23.0	1.35	27807	34
51	1396	44	1418	1290	28	100	20.0	1.35	25800	38
52	1801	46	1824	1724	55	45	19.0	1.20	32756	66
53	2071	40	2091	1932	99	60	14.0	1.00	27048	99
54	1967	40	1987	1836	45	106	15.0	1.05	33250	29
55	1947	10	1952	1900	26	26	17.5	1.10	36420	31
56	1869	6	1872	1821	26	25	20.0	1.20	36958	26
57	1806	---	1806	1719	20	67	21.5	1.30	55432	28
58	2294	---	2294	2132	20	142	26.0	1.40	52210	15
59§	2317	---	2317	2270	12	58	23.0	1.25	52210	15
Nebraska										
(Not estimated prior to 1929)										
1929	2	---	2	---	2	---	---	1.40	---	3
1930	3	---	3	---	3	---	---	1.20	---	4
1940	20	---	20	4	13	3	14.0	1.20	56	16
1950	50	---	50	50	---	---	24.0	---	1200	---
51	60	---	60	58	---	2	22.0	---	1276	---
52	90	---	90	88	---	2	26.0	---	2288	---
53	108	---	108	105	---	3	18.5	---	1942	---
54	194	---	194	190	---	4	22.0	---	4180	---
55	196	---	196	180	---	16	10.5	---	1890	---
56	171	---	171	152	---	19	11.5	---	1748	---
57	145	---	145	142	---	3	27.0	---	3834	---
58	210	---	210	206	---	4	30.0	---	6180	---
59§	136	---	136	150	---	5	26.0	---	3900	---
New Jersey										
1924	1	---	1	---	1	---	---	1.35	---	1
1930	3	---	3	---	3	---	---	1.25	---	4
1940	31	---	31	5	16	10	14.5	1.50	72	24
1950	37	---	37	20	5	12	20.5	1.70	410	8
51	39	---	39	21	9	9	16.5	1.65	346	15
52	36	---	36	25	6	5	20.5	1.95	512	12
53	41	---	41	36	1	4	18.0	1.90	648	2
54	42	---	42	31	3	8	21.0	1.70	651	5
55	43	---	43	36	2	5	19.0	1.50	684	3
56	51	---	51	45	2	4	24.0	1.80	1080	4
57	57	---	57	44	2	11	14.0	1.20	616	2
58	50	---	50	45	1	4	25.0	1.50	1125	2
59§	47	---	47	44	1	3	26.0	1.60	1144	2
New York										
1924	4	---	4	---	4	---	---	1.60	---	6
1930	3	---	3	---	3	---	---	1.60	---	5
1940	21	---	21	14	5	2	13.0	1.65	182	8
1950	9	---	9	7	---	2	18.0	---	126	---
51	9	---	9	7	---	2	18.0	---	126	---
52	7	---	7	5	---	2	17.5	---	88	---
53	8	---	8	6	---	2	16.0	---	96	---
54	11	---	11	9	---	2	11.0	---	99	---
55	7	---	7	5	---	2	16.0	---	80	---
56	9	---	9	8	---	1	14.0	---	112	---
57	7	---	7	6	---	1	18.0	---	108	---
58	7	---	7	6	---	1	17.0	---	102	---
59§	8	---	8	4	---	1	16.0	---	64	---
North Carolina										
1924	120	90	165	75	70	20	15.5	.90	1162	63
1930	230	220	340	128	150	62	10.5	.85	1344	128
1940	360	450	585	190	180	215	12.0	1.10	2280	198
1950	410	206	513	297	122	94	16.0	1.10	4752	134
51	445	184	537	309	123	105	16.5	1.20	5098	148
52	432	153	508	287	127	94	16.5	1.05	4736	133
53	397	138	466	263	136	67	15.5	1.00	4076	136
54	441	145	513	295	131	87	16.0	1.05	4720	138
55	430	76	468	327	76	65	15.5	1.10	5068	84
56	494	66	527	416	58	53	21.5	1.15	8944	67
57	514	60	544	441	58	45	20.0	1.15	8820	67
58	524	62	555	454	62	44	23.0	1.15	10442	71
59§	540	70	575	436	49	28	22.0	1.20	9592	59

*Grown with other crops. †Equivalent solid acreage (acreage grown alone with an allowance for acreage grown with other crops). §Preliminary. Source of data: Agricultural Marketing Service, U. S. Dept. of Agriculture.

SOYBEAN PRODUCTION—(Continued)

Soybeans: Acreage, yield and production 1924-59 by states

Year	Acres planted			Acres harv. for beans†	Acres harv. for hay	Grazed or plowed under	Average yield per acre harv.		Total prod. for beans Thous. bushels	Total prod. for hay Thous. tons
	Grown alone	Inter- planted*	Equivalent solid†				for beans	for hay		
	Thousand acres						Thousand acres			
North Dakota										
(Not estimated prior to 1942)										
1942	7	---	7	4	2	1	10.0	1.30	40	3
1945	7	---	7	5	1	1	11.5	1.25	58	1
1950	44	---	44	41	2	1	10.5	1.20	430	2
51	31	---	31	28	2	1	13.0	1.25	364	2
52	31	---	31	29	1	1	12.5	1.20	362	1
53	23	---	23	23	---	---	14.0	---	322	---
54	51	---	51	50	---	1	15.0	---	750	---
55	90	---	90	88	---	2	15.5	---	1364	---
56	184	---	184	177	---	7	13.0	---	2301	---
57	201	---	201	184	---	17	18.0	---	3312	---
58	285	---	285	265	---	12	14.0	---	3710	---
59§	228	---	228	233	---	11	13.0	---	3029	---
Ohio										
1924	66	---	66	20	44	2	11.5	1.20	240	53
1930	112	---	112	31	77	4	14.0	.90	434	69
1940	1020	---	1020	561	347	112	16.0	1.30	8976	451
1950	1136	---	1136	1090	29	17	22.5	1.50	24525	44
51	1159	---	1159	1124	18	17	19.0	1.35	21356	24
52	985	---	985	940	26	19	22.0	1.45	20680	38
53	1064	---	1064	1036	18	10	20.5	1.45	21238	26
54	1192	---	1192	1165	13	14	25.5	1.55	29708	20
55	1217	---	1217	1193	14	10	24.5	1.55	29228	22
56	1339	---	1339	1301	13	25	24.0	1.60	31224	21
57	1446	---	1446	1421	13	12	23.0	1.45	32683	19
58	1475	---	1475	1441	16	18	26.0	1.70	37466	27
59§	1446	---	1446	1472	12	6	26.0	1.50	38272	18
Oklahoma										
1924	7	1	8	3	4	1	6.5	1.15	20	5
1930	25	3	26	8	17	1	6.5	.75	52	13
1940	18	3	20	2	8	10	7.5	1.00	15	8
1950	35	---	35	23	8	4	17.0	1.10	391	9
51	130	---	130	84	26	20	13.5	1.15	1134	30
52	162	---	162	88	40	34	10.0	.90	880	36
53	73	---	73	48	15	10	10.0	.95	480	14
54	58	---	58	32	10	16	6.0	.65	192	6
55	53	---	53	40	5	8	11.5	.95	460	5
56	54	---	54	25	10	19	8.0	.70	200	7
57	38	---	38	30	3	5	17.0	1.00	510	3
58	54	---	54	45	4	5	22.5	1.10	1012	4
59§	72	---	72	68	6	14	21.0	1.15	1428	7
Pennsylvania										
1924	7	---	7	---	7	---	---	1.45	---	10
1930	11	---	11	---	10	1	---	1.10	---	11
1940	82	---	82	14	54	14	16.0	1.50	224	81
1950	48	---	48	24	19	5	17.5	1.65	420	31
51	43	---	43	22	17	4	17.0	1.65	374	28
52	37	---	37	19	15	3	19.0	1.65	361	25
53	37	---	37	19	13	5	17.0	1.60	323	21
54	37	---	37	17	13	7	18.0	1.65	306	21
55	55	---	55	22	16	17	20.0	1.60	440	26
56	55	---	55	21	14	20	18.5	1.55	388	22
57	53	---	53	17	13	23	13.0	1.50	221	20
58	46	---	46	15	12	19	22.0	1.70	330	20
59§	40	---	40	18	9	14	23.0	1.55	414	14
South Carolina										
1924	9	28	23	7	9	7	7.0	70	49	6
1930	20	50	45	9	23	13	6.5	80	58	18
1940	32	94	79	11	29	39	6.5	.85	72	25
1950	94	104	146	62	23	61	12.0	1.00	744	23
51	114	102	165	83	21	61	12.5	1.00	1038	21
52	132	106	185	98	33	54	11.5	.95	1127	31
53	150	100	200	130	28	42	11.0	.95	1430	27
54	176	120	236	130	27	79	7.0	.65	910	18
55	222	77	260	189	36	35	15.0	1.10	2835	40
56	289	80	329	276	20	33	11.0	1.05	3036	21
57	341	72	377	329	16	32	16.5	1.10	5428	18
58	389	76	427	362	24	41	15.5	1.20	5611	29
59§	412	76	450	370	18	42	16.0	1.10	5920	20

*Grown with other crops. †Equivalent solid acreage (acreage grown alone with an allowance for acreage grown with other crops). §Preliminary. Source of data: Agricultural Marketing Service, U. S. Dept. of Agriculture.

SOYBEAN PRODUCTION—(Continued)

Soybeans: Acreage, yield and production 1924-59 by states

Year	Acres planted			Acres harv. for beans†	Acres harv. for hay	Grazed or plowed under	Average yield per acre harv.		Total prod. for beans Thous. bushels	Total prod. for hay Thous. tons
	Grown alone	Inter- planted*	Equivalent solid†				for beans Bushels	for hay Tons		
	Thousand acres									
South Dakota										
(Not estimated prior to 1939)										
1939	2	---	2	---	2	---	12.0	1.10	---	2
1940	4	---	4	1	2	1	12.5	1.20	12	2
1950	72	---	72	70	1	1	14.5	1.10	875	1
51	63	---	63	60	1	2	15.0	1.20	870	1
52	89	---	89	85	---	4	19.0	---	1275	---
53	90	---	90	87	---	3	18.0	---	1653	---
54	180	---	180	173	---	7	11.5	---	3114	---
55	249	---	249	243	---	6	16.5	---	2794	---
56	237	---	237	224	---	13	11.5	---	2576	---
57	194	---	194	186	---	8	11.5	---	3069	---
58	266	---	266	259	---	7	11.5	---	2978	---
59§	149	---	149	137	---	7	11.5	---	1576	---
Tennessee										
1924	160	50	185	10	153	22	8.5	1.08	85	165
1930	190	64	222	20	172	30	7.5	.72	150	124
1940	167	298	316	19	122	175	8.5	1.30	162	159
1950	248	163	330	168	70	92	21.0	1.30	3528	91
51	310	142	381	183	99	99	17.5	1.20	3202	119
52	326	118	385	181	142	62	20.0	1.00	3620	142
53	258	100	308	150	95	63	13.5	1.20	2025	114
54	307	120	367	190	112	65	13.5	.90	2565	101
55	335	57	363	250	84	29	18.0	1.40	4500	118
56	308	54	335	240	60	35	16.5	1.35	3960	81
57	265	36	283	187	55	41	22.5	1.40	4208	77
58	366	36	384	276	77	31	23.5	1.60	6486	123
59§	366	36	384	317	56	28	22.5	1.60	7132	90
Texas										
(Not estimated prior to 1934)										
1934	7	3	8	2	5	1	8.5	.45	17	2
1940	21	4	23	3	14	6	9.5	.90	28	13
1950	10	---	10	---	2	8	---	.75	---	2
51	3	---	3	---	1	2	---	.70	---	1
52	5	---	5	---	1	4	---	.80	---	1
53	5	---	5	---	1	4	---	.90	---	1
54	8	---	8	4	1	3	13.5	.80	54	1
55	5	---	5	2	1	2	13.0	1.00	26	1
56	27	---	27	20	3	4	22.0	1.30	440	4
57	27	---	27	20	3	4	27.0	1.50	540	4
58	62	---	62	53	4	5	26.0	1.40	1378	6
59§	83	---	83	78	5	6	29.0	1.50	2262	8
Virginia										
1924	88	24	100	15	74	11	13.0	1.00	195	74
1930	120	31	136	17	79	40	7.0	.70	119	55
1940	128	105	180	49	93	38	15.5	1.35	760	126
1950	202	54	229	152	25	52	19.0	1.35	2888	34
51	220	56	248	166	34	48	18.0	1.30	2988	44
52	224	58	253	174	33	46	17.0	1.30	2958	43
53	231	58	260	167	52	41	16.0	1.10	2672	57
54	249	58	278	187	53	38	15.5	1.00	2898	53
55	238	42	259	201	21	37	20.0	1.25	4020	26
56	293	42	314	271	13	30	21.5	1.40	5826	18
57	270	32	286	238	11	37	18.0	1.25	4284	14
58	289	34	306	269	13	24	22.5	1.40	6052	18
59§	295	30	310	291	9	24	20.5	1.35	5966	12
West Virginia										
1924	36	---	36	1	35	---	14.0	1.45	14	51
1930	29	---	29	2	27	---	7.5	.75	15	20
1940	63	---	63	1	55	7	13.0	1.50	13	82
1950	13	---	13	1	10	2	15.0	1.60	15	16
51	11	---	11	1	8	2	14.5	1.60	14	13
52	9	---	9	1	7	1	15.0	1.60	15	11
53	9	---	9	---	7	2	---	1.50	---	10
54	10	---	10	---	8	2	---	1.75	---	14
55	8	---	8	---	6	2	---	1.50	---	9
56	8	---	8	---	6	2	---	1.75	---	10
57	7	---	7	---	5	2	---	1.55	---	8
58	7	---	7	---	5	2	---	1.70	---	8
59§	6	---	6	---	5	2	---	1.60	---	8

*Grown with other crops. †Equivalent solid acreage (acreage grown alone with an allowance for other crops). §Preliminary. Source of data: Agricultural Marketing Service, U. S. Dept. of Agriculture.

SOYBEAN PRODUCTION—(Continued)

Soybeans: Acreage, yield and production 1924-59 by states

Year	Acres planted			Acres harv.		Grazed or plowed under	Average yield per acre harv.		Total prod. for beans	
	Grown alone	Inter- planted*	Equivalent solid†	for beans†	for hay		for beans	for hay	Thous. bushels	Thous. tons
	Thousand acres			Thousand acres			Bushels	Tons		
Wisconsin										
1924	38	---	38	3	35	---	9.0	1.40	27	49
1930	14	---	14	2	12	---	11.5	1.20	23	14
1940	215	---	215	25	162	28	17.5	2.00	438	324
1950	85	---	85	33	45	7	14.0	1.65	462	74
51	63	---	63	44	13	6	14.5	1.70	638	22
52	61	---	61	48	9	4	17.0	1.95	816	18
53	70	---	70	56	10	4	14.5	1.65	812	16
54	87	---	87	69	12	6	15.0	1.60	1035	19
55	90	---	90	78	7	5	12.5	1.45	975	10
56	96	---	96	85	6	5	15.5	1.95	1318	12
57	110	---	110	101	4	5	17.0	1.60	1717	6
58	132	---	132	120	7	5	14.5	1.55	1740	11
59§	98	---	98	95	4	3	18.5	1.70	1758	7

*Grown with other crops. †Equivalent solid acreage (acreage grown alone with an allowance for acreage grown with other crops). §Preliminary. Source of data: Agricultural Marketing Service, U. S. Dept. of Agriculture.

SOYBEANS: INSPECTED RECEIPTS

Soybeans: Inspected receipts, by grades and percent 1/

Grade	November 1959		October 1959		November 1958		Oct.-Nov. 1959		Oct.-Nov. 1958	
	1,000 bu.	Pct.	1,000 bu.	Pct.	1,000 bu.	Pct.	1,000 bu.	Pct.	1,000 bu.	Pct.
No. 1	11,416	15	20,150	21	8,689	21	31,566	18	38,553	23
No. 2	36,112	47	49,585	52	19,686	47	85,697	50	81,163	47
No. 3	21,248	27	18,579	20	9,496	22	39,827	23	34,853	20
No. 4	5,552	7	4,975	5	3,091	7	10,527	6	13,117	8
Sample	2,844	4	1,978	2	1,136	3	4,822	3	3,624	2
Total	77,172	100	95,267	100	42,098	100	172,439	100	171,310	100

Grade	October 1958-September 1959		October 1957-September 1958		October 1956-September 1957	
	1,000 bu.	Pct.	1,000 bu.	Pct.	1,000 bu.	Pct.
No. 1	100,023	24	84,115	23	56,920	18
No. 2	194,766	48	161,127	43	132,266	42
No. 3	71,409	18	87,697	24	69,347	22
No. 4	28,803	7	28,162	8	41,036	13
Sample	11,201	3	8,292	2	17,800	5
Total	406,202	100	369,393	100	318,069	100

1/ Carlot receipts have been converted to bushels on the basis that 1 carlot equals 1750 bushels. Based on reports of inspections by licensed inspectors at all markets. Agricultural Marketing Service, U. S. Department of Agriculture.

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SOYBEANS—SUPPLY AND DISTRIBUTION

1952-59 (1,000 bushels)

Quarter or period	Stocks at beginning of period 1/ Interior mills and elevators			Supply beginning of period 1/ Crushing plants		Terminal markets 2/	CCC 2/	Total	Production	Total supply	Used for seed	Net exports 3/	Distribution		Total disappear- ance
	Farms	Farms	Farms	Farms	Farms								Crushed at mills	Feed and residual 4/	
1952-59 (1,000 bushels)															
1952-53															
Oct.-Dec.	1,972	296	611	711	3,589			3,589	298,839	302,428		13,918	65,901	-3,839	75,980
Jan.-Mar.	83,819	48,346	79,852	13,394	226,448	1,037		226,448		226,448		7,426	60,665	11,206	79,297
Apr.-June	59,749	27,926	49,613	9,048	147,151	815		147,151		147,151	20,539	6,349	57,163	784	84,835
July-Sept.	20,417	11,393	26,905	3,245	62,316	356		62,316	298,839	62,316	20,539	4,213	50,675	-2,706	52,182
Season	---	---	---	---	3,589	---	---	3,589	298,839	302,428	20,539	31,506	234,404	5,445	292,294
1953-54															
Oct.-Dec.	5,752	2,021	1,023	1,098	10,134		240	10,134	269,169	279,303		23,614	62,326	3,095	89,035
Jan.-Mar.	81,580	36,675	58,531	13,196	190,268	286		190,268		190,268		7,858	58,903	5,500	72,261
Apr.-June	37,351	16,862	52,297	11,461	118,007	36		118,007		118,007	22,900	5,793	50,632	3,068	82,393
July-Sept.	3,645	3,454	24,598	3,917	35,614			35,614	269,169	35,614	22,900	39,644	41,297	-9,407	34,269
Season	---	---	---	---	10,134	---	---	10,134	269,169	279,303	22,900	39,644	213,158	2,256	277,958
1954-55															
Oct.-Dec.	538	113	81	613	1,345			1,345	341,075	342,420		27,500	65,114	-9,490	83,124
Jan.-Mar.	148,345	57,804	44,613	8,534	259,296			259,296		259,296		12,335	60,785	10,837	83,947
Apr.-June	113,263	40,623	17,549	3,914	175,349			175,349		175,349	23,426	8,883	63,161	13,419	108,889
July-Sept.	35,755	18,963	10,775	2,385	66,460	1,582		66,460	341,075	66,460	23,426	11,910	59,950	-15,349	56,511
Season	---	---	---	---	1,345	---	---	1,345	341,075	342,420	23,426	60,618	249,010	-583	352,471
1955-56															
Oct.-Dec.	3,931	1,757	217	2,628	9,949		1,416	9,949	373,522	383,471		34,723	74,651	-674	108,700
Jan.-Mar.	63,602	55,394	81,784	20,988	274,771	3		274,771		274,771		11,322	74,338	12,239	97,899
Apr.-June	60,334	26,979	67,366	22,193	176,872			176,872		176,872	26,086	8,139	72,089	1,283	112,597
July-Sept.	7,203	9,383	36,651	11,038	64,275			64,275	373,522	383,471	26,086	67,481	283,126	-9,801	60,544
Season	---	---	---	---	9,949	---	---	9,949	373,522	383,471	26,086	67,481	283,126	3,047	379,740
1956-57															
Oct.-Dec.	1,995	1,076	291	369	3,731			3,731	449,446	453,177		36,612	81,507	7,705	125,824
Jan.-Mar.	167,046	73,403	70,354	16,550	327,353			327,353		327,353		17,443	83,951	10,489	111,883
Apr.-June	114,677	46,845	44,232	9,716	215,470		74	215,470		215,470	26,225	14,334	78,497	9,517	128,573
July-Sept.	36,312	26,204	18,724	5,583	86,997			86,997	449,446	86,997	26,225	16,971	71,986	-1,957	77,000
Season	---	---	---	---	5,751	---	---	5,751	449,446	453,177	26,225	35,560	315,941	15,754	443,280
1957-58															
Oct.-Dec.	3,623	1,242	1,493	3,539	9,897			9,897	483,715	493,612		39,213	85,728	-13,363	111,578
Jan.-Mar.	185,935	89,245	78,863	23,393	382,034			382,034		382,034		14,898	92,045	22,385	126,328
Apr.-June	117,445	62,301	57,983	17,977	255,706			255,706		255,706	29,357	16,854	92,391	9,332	147,934
July-Sept.	26,961	33,778	36,194	10,839	107,772			107,772	483,715	107,772	29,357	14,542	86,634	-1,495	86,634
Season	---	---	---	---	9,897	---	---	9,897	483,715	493,612	29,357	85,507	353,806	3,859	472,529
1958-1959															
Oct.-Dec.	2,191	9,596	4,649	2,635	21,083		2,012	21,083	579,713	600,796		38,038	101,443	-7,946	131,535
Jan.-Mar.	195,925	126,005	98,610	42,767	469,261		1,954	469,261		469,261		22,738	106,664	16,553	145,955
Apr.-June	214,623	95,956	73,993	26,839	323,306		1,895	323,306		323,306	27,134	27,510	104,127	7,533	166,304
July-Sept.	35,444	60,310	44,883	16,263	157,002		102	157,002	579,713	157,002	27,134	21,785	89,000	-16,136	94,649
Season	---	---	---	---	21,083	---	---	21,083	579,713	600,796	27,134	110,071	401,234	4	538,443
1959-60															
Oct.-Dec.	16,960	32,753	4,217	7,550	62,353		873	62,353	537,895	600,248		---	---	---	---
1/ Oct. 1 stocks in all positions include only old crop soybeans. 2/ Owned by Commodity Credit Corporation in transit to ports. 3/ Imports negligible. 4/ Mostly quantity fed, but includes waste, loss, statistical errors in estimates. 5/ Partially estimated. Stocks, production and quantity used for seed estimated by crop reporting board; exports and quantity crushed from Bureau of the Census. U. S. Dept. of Agriculture, Agricultural Marketing Service.															

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SOYBEAN OIL MEAL PRODUCTION

Soybean oil meal and cake: Supply and utilization in the U. S. 1924-59 (1,000 tons)

Year beginning Oct. 1	Stocks (Oct. 1)	Supply			Utilization		Feed
		Domestic production	Imports	Total supply	Exports	Food, industry and other non-feed*	
1924-25	-----	7.6	18.3	25.9	-----	-----	25.9
1925-26	-----	8.6	19.8	28.4	-----	-----	28.4
1926-27	-----	8.3	23.9	32.2	-----	-----	32.2
1927-28	-----	13.7	47.7	61.4	-----	-----	61.4
1928-29	-----	21.5	69.5	91.0	-----	-----	91.0
1929-30	-----	40.7	73.5	114.2	-----	-----	114.2
1930-31	-----	98.6	24.0	122.6	-----	-----	122.6
1931-32	-----	114.7	18.6	133.3	-----	-----	133.3
1932-33	-----	84.3	28.3	112.6	-----	-----	112.6
1933-34	-----	73.9	25.0	98.9	-----	-----	98.9
1934-35	-----	220.4	64.2	284.6	-----	18.0	266.6
1935-36	-----	613.1	20.0	633.1	-----	19.0	614.1
1936-37	-----	495.8	55.7	551.5	-----	20.0	531.5
1937-38	-----	724.1	15.5	739.6	-----	21.0	718.6
1938-39	-----	1,064.4	12.3	1,076.7	35.0	22.0	1,019.7
1939-40	-----	1,348.8	12.1	1,360.9	62.3	23.0	1,275.6
1940-41	-----	1,543.4	8.1	1,551.5	25.4	35.0	1,491.1
1941-42	-----	1,844.9	0	1,844.9	19.7	40.1	1,785.1
1942-43	-----	3,200.3	0	3,200.3	20.9	105.5	3,073.9
1943-44	-----	3,446.0	0	3,446.0	16.1	107.1	3,322.8
1944-45	-----	3,698.5	0	3,698.5	10.0	61.4	3,627.1
1945-46	-----	3,837.3	0	3,837.3	9	181.4	3,655.0
1946-47	-----	4,086.4	0	4,086.4	141.7	199.3	3,745.4
1947-48	-----	3,832.7	0	3,832.7	95.7	353.8	3,383.2
1948-49	-----	4,330.5	3.2	4,333.7	150.6	44.0	4,139.1
1949-50	13.3	4,585.6	26.1	4,625.0	47.4	25.0	4,517.4
1950-51	35.2	5,896.8	32.8	5,964.8	181.1	30.0	5,718.2
1951-52	35.5	5,703.7	24.1	5,763.3	41.8	30.0	5,640.0
1952-53	51.5	5,551.3	41.1	5,643.9	46.8	30.0	5,510.3
1953-54	56.8	5,050.6	15.6	5,123.0	66.5	30.0	4,964.9
1954-55	61.6	5,704.8	---	5,766.4	271.7	30.0	5,427.5
1955-56	37.2	6,545.8	---	6,583.0	400.4	30.0	6,041.3
1956-57	111.3	7,509.6	.1	7,621.0	443.2	30.0	7,093.1
1957-58	54.7	8,284.3	1.4	8,340.4	300.0	30.0	7,962.3
1958-59**	48.1	9,507.9	---	9,556.0	512.2	30.0	8,955.3
1959-60	58.5	---	---	---	---	---	---

* Estimated. ** Preliminary. Source of data: Agricultural Marketing Service, U. S. Department of Agriculture.

Production of soybean oil meal by months and crop years, 1949-59 (1,000 tons)

	1949-50	1950-51	1951-52	1952-53	1953-54	1954-55	1955-56	1956-57	1957-58	1958-59
Oct.	414.5	453.3	500.4	539.5	505.1	499.6	580.0	657.1	652.3	785.0
Nov.	406.4	536.1	536.5	518.6	481.6	507.3	583.6	631.4	683.2	788.9
Dec.	407.2	576.0	542.3	506.7	494.3	484.6	548.7	643.8	663.3	818.2
Jan.	402.8	590.4	563.8	506.5	492.7	491.3	567.0	674.9	725.9	872.6
Feb.	364.8	529.3	525.0	442.7	438.4	450.5	563.2	630.0	628.1	800.0
Mar.	422.9	580.9	494.7	485.5	456.7	444.3	584.4	688.8	718.4	855.4
April	403.5	512.3	467.2	456.1	420.7	456.2	583.6	650.0	737.8	816.3
May	394.2	499.9	457.9	488.6	416.3	480.0	570.2	636.1	759.2	862.3
June	323.3	418.2	435.1	404.2	364.5	509.4	517.3	592.8	669.6	788.3
July	364.0	413.4	410.8	387.6	368.1	493.5	475.3	583.0	714.7	761.5
Aug.	363.7	441.9	418.6	445.0	354.5	458.6	513.0	604.2	740.5	712.2
Sept.	318.3	345.0	351.4	370.3	257.7	429.5	459.5	517.5	591.3	647.2
Total	4,585.6	5,896.8	5,703.7	5,551.3	5,050.6	5,704.8	6,545.8	7,509.6	8,284.3	9,507.9

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HUDSON, IOWA

SOYBEAN OIL MEAL PRODUCTION—(Continued)

Soybean cake and meal: Production, stocks, foreign trade and domestic disappearance 1950-59 (1,000 tons)

Item	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Total
1950-51													
Stocks 1/	35.2	41.2	54.6	72.4	92.7	104.4	141.2	172.3	180.0	148.8	108.7	68.5	
Production	453.3	536.1	576.0	590.4	529.3	580.9	512.3	499.9	418.3	413.4	441.9	345.0	5,896.8
Imports	2.3	3.4	4.3	3.8	4.0	4.2	3.2	2.0	3.0	1.6	.7	.3	32.8
Exports	2.9	3.3	2.2	4.8	32.6	83.7	22.3	3.8	11.8	3.3	5.8	4.6	181.1
Disappearance 2/	446.7	522.8	560.3	569.1	489.0	464.6	462.1	490.4	440.7	451.8	477.0	373.7	5,748.2
1951-52													
Stocks 1/	35.5	27.1	30.5	34.1	32.7	46.7	54.0	57.0	59.0	57.8	71.3	63.7	
Production	500.4	536.5	542.3	563.8	525.0	494.7	467.2	457.9	435.1	410.8	418.6	351.4	5,703.7
Imports	1.1	.5	.8	1.9	.9	1.2	1.0	2.7	2.6	2.9	4.1	4.4	24.1
Exports	3.3	9.3	10.5	3.5	3.8	3.9	1.9	1.6	1.6	.7	1.2	.5	41.8
Disappearance 2/	506.6	524.3	529.0	563.6	508.1	484.7	463.3	457.0	437.3	399.5	429.1	367.5	5,670.0
1952-53													
Stocks 1/	51.5	60.5	78.1	89.2	109.2	139.4	154.2	167.3	172.8	168.7	118.4	102.3	
Production	539.5	518.6	506.7	506.5	442.7	485.5	456.1	488.6	404.2	387.6	445.0	370.3	5,551.3
Imports	5.3	7.2	8.1	4.5	4.2	5.8	3.6	1.2	.8	.2	.1	.1	41.1
Exports	1.5	2.0	1.6	2.0	1.9	1.5	2.7	6.4	2.8	4.3	9.8	10.3	46.8
Disappearance 2/	534.3	506.2	502.1	489.0	414.8	475.0	443.9	477.9	406.3	433.8	451.4	405.6	5,540.3
1953-54													
Stocks	56.8	56.8	78.1	104.8	128.6	162.5	170.7	182.2	177.4	166.9	175.2	150.7	
Production	505.1	481.6	494.3	492.7	438.4	456.7	420.7	416.3	364.5	368.1	354.5	257.7	5,050.6
Imports	3/	.0	.1	.8	3.9	1.0	.9	1.9	3.7	1.4	1.1	.8	15.6
Exports	9.3	14.1	12.1	4.0	5.1	5.1	3.6	3.8	2.4	1.4	2.1	3.5	66.5
Disappearance	495.8	446.2	455.6	465.7	403.3	444.4	406.5	419.2	376.3	359.8	378.0	344.1	4,994.9
1954-55													
Stocks	61.6	58.3	47.9	47.1	59.5	91.0	100.4	113.4	100.8	99.4	98.3	69.2	
Production	499.6	507.3	484.6	491.3	450.5	444.3	456.2	480.0	509.4	493.5	458.6	429.5	5,704.8
Imports	33.0	51.2	25.6	27.4	9.7	13.3	6.9	7.7	15.7	30.3	23.0	27.9	271.7
Exports	469.9	466.5	459.8	451.5	409.3	421.6	436.3	484.9	495.1	464.3	464.7	433.6	5,457.5
1955-56													
Stocks	37.2	49.0	59.8	66.4	99.9	137.5	178.0	201.5	212.8	217.9	182.7	145.8	
Production	580.0	583.6	548.7	567.0	563.2	584.4	583.6	570.2	517.3	475.3	513.0	459.5	6,545.8
Imports	31.4	45.3	64.8	35.6	42.0	28.9	29.9	22.5	19.7	19.8	29.0	31.5	400.4
Exports	536.8	527.5	477.3	497.9	483.6	515.0	530.2	536.4	492.5	490.7	520.9	462.5	6,071.3
1956-57													
Stocks	111.3	57.2	51.5	65.4	58.3	88.9	136.9	162.0	163.2	157.1	129.0	93.6	
Production	657.1	631.4	643.8	674.9	630.0	688.8	650.0	636.1	592.8	583.0	604.2	517.5	7,509.6
Imports	57.9	55.4	64.1	49.5	31.7	33.3	20.2	20.5	34.1	29.0	24.4	23.1	443.2
Exports	653.3	581.7	565.8	632.5	567.7	607.5	604.8	614.4	564.8	582.1	615.2	533.3	7,123.1
1957-58													
Stocks	54.7	58.6	88.1	75.7	78.7	73.4	81.7	74.5	104.7	82.3	61.3	84.6	
Production	652.3	683.2	663.3	725.9	628.1	718.4	737.8	759.2	669.6	714.7	740.5	591.3	8,284.3
Imports	27.9	37.7	28.8	38.5	20.9	25.9	16.0	20.3	25.1	18.0	17.4	23.5	300.0
Exports	620.5	616.0	646.9	684.4	612.5	684.2	730.4	708.7	666.9	717.7	699.8	604.3	7,992.3
1958-59													
Stocks	48.1	65.0	81.3	55.3	68.2	87.7	96.7	104.5	155.9	159.1	121.7	101.6	
Production	785.0	788.9	818.2	872.6	800.0	855.4	816.3	862.3	788.3	761.5	712.2	647.2	9,507.9
Imports	27.4	64.4	54.5	55.8	41.6	46.4	43.0	26.4	38.0	38.7	36.5	39.5	512.2
Exports	740.7	708.2	789.7	803.9	738.9	800.0	765.5	784.5	747.1	760.2	695.8	650.8	8,985.3

1/ Stocks at crushers' plants. 2/ Domestic disappearance, based on production, imports, exports, and change in crushers' stocks. 3/ Less than 50 tons. Compiled from reports of the Bureau of the Census and the Agricultural Marketing Service.

SOYBEAN OIL, MEAL AND CAKE PRODUCTION AND STOCKS BY STATES

Crude soybean oil and soybean cake and meal: Production and stocks by states, 1955-1958

States	Crude soybean oil (1,000 pounds)				Soybean cake and meal (Tons of 2,000 pounds)			
	1958	1957	1956	1955	1958	1957	1956	1955
United States								
Production	3,943,166	3,475,103	3,200,448	2,826,710	8,659,946	7,575,977	6,765,819	5,925,728
Stocks, end of year	71,999	105,515	60,010	57,996	52,762	75,703	65,404	66,389
Arkansas								
Production	88,790	59,432	(1)	(1)	198,541	129,004	(1)	(1)
Stocks, end of year	3,146	1,009	-----	-----	5,629	3,153	-----	-----
Illinois								
Production	1,360,332	1,287,222	1,228,350	1,183,674	2,828,737	2,659,268	2,447,170	2,319,351
Stocks, end of year	13,854	32,999	20,336	17,774	11,595	31,531	28,786	20,140
Indiana								
Production	343,806	338,748	332,592	295,065	769,138	748,332	714,842	630,159
Stocks, end of year	(1)	7,122	6,411	7,342	(1)	8,080	3,650	5,978
Iowa								
Production	616,367	547,690	537,759	488,580	1,407,723	1,247,852	1,168,384	1,072,743
Stocks, end of year	17,052	12,642	11,195	9,534	6,088	6,914	8,279	14,873
Kansas								
Production	-----	(1)	35,596	(1)	-----	(1)	83,497	72,236
Stocks, end of year	-----	(1)	580	(1)	-----	(1)	414	(1)
Kentucky								
Production	-----	(1)	(2)75,203	44,361	-----	(1)	160,736	141,179
Stocks, end of year	-----	(1)	(1)	505	-----	(1)	(1)	496
Minnesota								
Production	286,252	238,008	209,936	174,781	669,206	550,045	455,537	388,711
Stocks, end of year	8,828	(1)	8,262	5,019	3,311	3,795	2,276	2,476
Mississippi								
Production	122,787	72,868	(1)	(1)	264,338	149,473	(1)	(1)
Stocks, end of year	2,524	3,150	-----	-----	2,295	1,192	-----	-----
Missouri								
Production	143,069	128,659	(2)115,216	73,759	310,283	286,444	256,146	222,095
Stocks, end of year	3,005	1,853	1,475	1,549	2,272	2,064	1,808	2,997
Nebraska								
Production	-----	(1)	1,417	(1)	-----	(1)	3,871	22,884
Stocks, end of year	-----	(1)	(1)	(1)	-----	(1)	(1)	(1)
North Carolina								
Production	13,323	14,931	(2)6,731	1,010	34,753	39,765	17,634	7,580
Stocks, end of year	771	988	664	(1)	503	1,335	822	1,793
Ohio								
Production	367,600	328,660	329,296	274,087	836,435	752,191	729,979	607,790
Stocks, end of year	3,904	10,217	3,778	4,072	4,821	3,227	6,458	3,043
Oklahoma								
Production	-----	(1)	(1)	(1)	-----	(1)	(1)	(1)
Stocks, end of year	-----	(1)	-----	-----	-----	(1)	-----	-----
Tennessee								
Production	318,503	239,292	-----	-----	689,019	513,553	(1)	(1)
Stocks, end of year	6,707	2,650	-----	-----	3,831	6,727	(1)	(1)
All other states								
Production	282,337	219,593	327,952	291,393	651,773	500,050	728,023	441,000
Stocks, end of year	12,208	32,885	7,309	12,201	12,419	7,685	12,911	14,593

(1) Included in "All other states" to avoid disclosure of figures for individual companies. From Bureau of Census.

OILSEED CAKE AND MEALS: SUPPLY AND DISTRIBUTION

Oilseed cakes and meals: Supply and distribution, United States, year beginning October 1950-59
(1,000 tons)

Oilseed cake and meal	Stocks (Oct. 1) 1/	Supply		Total	Feed	Distribution		Stocks (Sept. 30) 1/
		Production	Imports			Other uses 2/	Exports	
1950-51								
Soybean	35	5,897	33	5,965	5,718	30	181	36
Cottonseed	154	1,723	91	1,968	1,854	30	13	71
Linseed	56	730	1	787	732	--	29	26
Peanut	3	151	1	155	130	--	24	1
Copra	14	149	66	229	226	--	1	2
Total	262	8,650	192	9,104	8,660	60	248	136
1951-52								
Soybean	36	5,704	24	5,764	5,640	30	42	52
Cottonseed	71	2,524	202	2,797	2,650	30	35	82
Linseed	26	495	23	544	520	--	7	17
Peanut	1	95	5	101	99	--	2	*
Copra	2	122	104	228	221	--	*	7
Total	136	8,940	358	9,434	9,130	60	86	158
1952-53								
Soybean	52	5,551	41	5,644	5,510	30	47	57
Cottonseed	82	2,673	136	2,891	2,664	30	55	3/142
Linseed	17	458	26	501	478	--	*	23
Peanut	*	42	4	46	44	--	*	2
Copra	7	116	97	220	214	--	0	6
Total	158	8,840	304	9,302	8,910	60	102	3/230
1953-54								
Soybean	57	5,051	16	5,124	4,965	30	67	62
Cottonseed	142	3,019	70	3,231	2,930	30	66	205
Linseed	23	577	1	601	527	--	34	40
Peanut	2	63	1	66	64	--	1	1
Copra	6	116	80	202	196	--	0	6
Total	230	8,826	168	9,224	8,682	60	168	314
1954-55								
Soybean	62	5,705	0	5,767	5,428	30	272	37
Cottonseed	205	2,515	32	2,752	2,404	30	168	150
Linseed	40	545	0	585	488	--	75	22
Peanut	1	19	0	20	18	--	0	1
Copra	6	117	63	186	182	--	0	4
Total	314	8,901	95	9,310	8,520	60	516	214
1955-56								
Soybean	37	6,546	0	6,583	6,042	30	400	111
Cottonseed	150	2,628	59	2,837	2,510	30	156	141
Linseed	22	582	0	604	440	--	153	12
Peanut	1	58	0	59	27	--	30	2
Copra	4	112	45	161	160	--	0	1
Total	214	9,926	104	10,244	9,179	60	739	267
1956-57								
Soybean	111	7,510	*	7,621	7,092	30	443	55
Cottonseed	141	2,294	55	2,490	2,216	30	30	210
Linseed	12	576	2	590	486	--	43	64
Peanut	2	63	0	65	47	--	15	3
Copra	1	113	67	181	180	--	*	1
Total	267	10,556	124	10,947	10,021	60	531	333
1957-58								
Soybean	55	8,284	1	8,340	7,962	30	300	48
Cottonseed	210	1,922	72	2,204	2,096	30	7	71
Linseed	64	435	8	507	467	--	14	26
Peanut	3	45	0	48	44	--	2	2
Copra	1	119	68	188	187	--	1	1
Total	333	10,805	149	11,287	10,756	60	323	148
1958-59 3/								
Soybean	48	9,508	--	9,556	8,956	30	512	58
Cottonseed	71	2,154	127	2,352	2,198	30	27	97
Linseed	26	452	4	487	418	--	31	33
Peanut	2	75	--	77	75	--	--	2
Copra	1	115	31	147	147	--	--	41
Total	148	12,304	162	12,614	11,794	60	570	190

1/ Stocks at processors' plants. 2/ Estimated quantities of soybean meal used for industrial purposes and cottonseed meal used for fertilizer on farms of cotton growers. 3/ Preliminary. *Less than 500 tons. USDA Agricultural Marketing Service.

PRODUCTION OF PROTEIN CONCENTRATES

Production of specified protein concentrates in the United States, year beginning Oct. 1, 1937-41 average and 1951-59 (thousands of tons)

Protein concentrate	Average 1937-1941	1951-1952	1952-1953	1953-1954	1954-1955	1955-1956	1956-1957	1957-1958	1958-1959*
Soybean cake and meal	1,305	5,704	5,551	5,051	5,705	6,546	7,510	8,284	9,508
Linseed cake and meal	616	495	458	577	545	582	576	435	452
Cottonseed cake and meal	2,057	2,524	2,681	3,014	2,515	2,628	2,294	1,922	2,154
Peanut cake and meal	67	94	42	63	19	58	63	45	75
Copra cake and meal	76	122	116	116	117	112	113	119	115
Gluten feed and meal	731	911	955	1,001	1,034	1,072	1,010	1,030	1,044
Tankage and meat scraps	656	912	1,013	1,060	1,339	1,557	1,502	1,388	1,415
Fish cake and meal	194	197	221	230	294	342	298	296	355
Dried milk products**	142	110	115	395	165	150	130	135	110
Other milk products†	1,829	1,265	1,250	1,225	1,165	1,105	1,050	1,000	960
TOTAL	7,673	12,334	12,402	12,732	12,898	14,040	14,546	14,654	16,188

*Preliminary. **Dried and concentrated skim milk, buttermilk, and whey manufactured for animal feed. †Dry equivalent of skim milk, buttermilk, whey, and whole milk estimated fed on farms. Source of data: Agricultural Marketing Service, U. S. Department of Agriculture.

Protein concentrates: Estimated use for feed in the United States, year beginning Oct. 1, 1937-41 average and 1951-59* (thousands of tons)

Protein concentrate	Average 1937-1941	1951-1952	1952-1953	1953-1954	1954-1955	1955-1956	1956-1957	1957-1958	1958-1959*
Soybean cake and meal	1,258	5,640	5,510	4,965	5,428	6,042	7,093	7,962	8,955
Linseed cake and meal	481	520	478	527	488	439	484	475	417
Cottonseed cake and meal	1,958	2,650	2,671	2,926	2,405	2,511	2,220	2,095	2,198
Peanut cake and meal	74	99	44	64	17	27	46	45	75
Copra cake and meal	134	220	213	196	182	160	181	187	146
Gluten feed and meal	731	911	955	1,001	1,034	1,072	1,010	1,030	1,044
Tankage and meat scraps	728	946	1,032	1,078	1,339	1,557	1,502	1,388	1,415
Fish cake and meal	235	438	390	438	395	464	402	409	512
Dried milk products	142	110	115	395	165	150	130	135	110
Other milk products†	1,829	1,265	1,250	1,225	1,165	1,105	1,050	1,000	960
TOTAL	7,570	12,799	12,658	12,815	12,618	13,527	14,118	14,726	15,832

*Domestic production plus imports, minus exports, and minus estimated utilization for food, industry and other nonfeed uses. **Preliminary. †Dry equivalent of skim milk, buttermilk, whey, and whole milk estimated fed on farms. Source of data: Agricultural Marketing Service, U. S. Department of Agriculture.

U. S. SOY FLOUR PRODUCTION

Soybeans used in the production of soy flour and grits, year beginning Oct. 1, 1942-59* (1,000 bu.)

	Low Fat	Full Fat
1942-43	4,645	1,875
1943-44	4,470	1,605
1944-45	1,865	910
1945-46	8,278	1,061
1946-47	9,193	440
1947-48	17,119	162
1948-49	3,445	198
1949-50	3,715	228
1950-51	2,915	236
1951-52	3,426	255
1952-53	2,799	225
1953-54	3,111	5,405
1954-55, Total		6,019
1955-56, Total		5,687
1956-57, Total		5,621
† 1957-58, Total		
† 1958-59, Total		

* Estimated from reports on production of soy flour on basis that one bushel of soybeans will yield either 39 lbs. of low fat flour or 48 lbs. of full fat flour. † Based on 40 lbs. of soy flour per bushel of soybeans. Bureau of the Census no longer collects separate data on the production of full fat and low fat soy flour, but reports only total production. Beginning November 1958 not reported by Census.

PRODUCTION, EXPORTS SOY FLOUR AND GRITS

Soy flour and grits: U. S. production and exports, 1935-59 (1,000 lbs.)

Year beginning Oct. 1	Full fat products	Production* Low fat and defatted products	Total	Commercial †	Exports Military §	Total
1935-36			22,000			
1936-37			24,000			
1937-38			26,000			
1938-39			28,000			
1939-40			30,000			
1940-41			50,000			
1941-42	28,000	56,125	84,125			
1942-43	90,600	181,000	271,600	22,971		22,971
1943-44	77,185	174,280	251,465	100,540		100,540
1944-45	43,925	72,715	116,640	58,460	14,374	72,834
1945-46	50,914	322,761	373,675	183,642	3,604	187,246
1946-47	21,263	358,537	379,800	105,814	135,223	241,037
1947-48	7,746	667,633	675,379	479,674	74,879	554,553
1948-49	9,492	134,356	143,848	56,186		56,186
1949-50	10,960	144,874	155,834			
1950-51	11,348	113,680	125,028	7,435		
1951-52	12,248	133,626	145,874	7,925		
1952-53	12,182	109,162	121,344	4,778		
1953-54	10,808	121,310	132,118	5,095		
1954-55			216,204	5,144		
1955-56			240,752	4,924		
1956-57			227,490	5,475		
1957-58			224,830	1/1,194		
1958-59			2/	1/		

*Based on reports of the Soy Flour Association supplemented by information furnished the War Food Administration by the industry for 1935-48 and the Bureau of the Census for 1949 to date. Data for 1935-41 are rough approximations used during the war years since no exact data were available.

†Reported by the Bureau of the Census—not available prior to 1943. Thus the first figure is for January-September 1943 only. Includes exports under the Lend Lease program. §Shipments for military relief feeding furnished by the National Military Establishments for 1944-46 and by the Bureau of the Census for 1947. Beginning with January 1948 included with commercial exports. The export figures do not include purchases by the Military for its own use. Compiled by Agricultural Marketing Service, U. S. Department of Agriculture. 1/ October-December 1957—Not classified separately beginning January 1958. 2/ Not classified separately beginning November 1958.

PRODUCTION OF MELLORINE

Production of "mellorine-type" frozen desserts, United States, 1953-1959

	1953-57 Average 1/	1957 1/ Thousand gallons	1958 1/ Thousand gallons	Estimated 1959	Change from: 1953-57 Av. Percent	1958
January	1,626	1,945	2,238	2,325	+ 43	+ 4
February	1,862	2,187	2,335	2,505	+ 35	+ 7
March	2,373	2,512	2,759	3,440	+ 45	+ 25
April	2,568	2,866	3,415	3,685	+ 43	+ 8
May	3,051	3,520	4,105	4,335	+ 42	+ 6
June	3,534	3,591	4,382	4,955	+ 40	+ 13
July	3,742	4,361	4,766	5,125	+ 37	+ 8
August	3,610	4,034	4,459	4,635	+ 28	+ 4
September	2,945	3,024	3,808	4,180	+ 42	+ 10
October	2,457	2,491	3,015	3,340	+ 36	+ 11
November	1,767	1,846	2,228	2,385	+ 35	+ 7
December	1,560	1,784	2,061	2,540	+ 63	+ 23
Twelve-month total	31,095	34,161	39,571	43,450	+ 40	+ 10

1/ From enumerations. Agricultural Marketing Service crop reporting board.

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FATS AND OILS PRODUCTION

Estimated production of fats and oils from domestic materials and oil equivalent of exported domestic oilseeds, year beginning October with comparisons (million lbs.)

	Average 1937-41	1952	1953	1954	1955	1956	1957	1958 1/	1959 2/
Butter (actual weight)-----	2,224	1,578	1,647	1,536	1,571	1,542	1,524	1,450	1,425
Lard and rendered pork fat- 2,091	2,509	2,248	2,564	2,851	2,624	2,434	2,675	2,975	
Edible beef fats 3/-----	225	218	264	280	312	321	324	350	360
Total, edible animal fats-----	4,540	4,305	4,159	4,380	4,734	4,487	4,282	4,475	4,760
Corn oil -----	173	258	252	268	270	275	276	290	300
Cottonseed oil -----	1,456	1,840	2,106	1,723	1,893	1,629	1,418	1,600	1,900
Edible olive oil -----	7	7	2	3	1	6	1	8	5
Peanut oil -----	87	53	82	20	81	84	59	100	115
Peanuts (shelled), oil equivalent of exports for crushing abroad 4/-----	-----	-----	69	-----	4	23	2	5	5
Soybean oil -----	500	2,536	2,350	2,711	3,142	3,431	3,800	4,250	4,250
Soybeans, oil equivalent of exports 5/ -----	31	320	436	666	741	937	939	1,200	1,350
Total, edible vegetable oils--	2,254	5,010	5,297	5,391	6,132	6,385	6,495	7,453	7,925
Inedible tallow and greases--	1,303	2,616	2,661	2,875	3,215	3,115	2,749	3,100	3,300
Fish, whale and seal oils 6/-	223	148	161	180	204	160	180	190	185
Total, soap fats and oils-----	1,526	2,764	2,822	3,055	3,419	3,275	2,929	3,290	3,485
Linseed oil 7/-----	363	501	631	588	625	636	454	460	440
Flaxseed, oil equivalent of exports 8/ -----	-----	9/	122	133	196	186	70	150	0
Tung oil -----	1	43	40	15	2	32	25	45	40
Castor oil -----	-----	11	8	4	1	3	9	18	15
Total drying oils -----	364	555	801	740	824	857	558	673	495
Other fats and oils 10/-----	5	36	26	42	33	43	64	75	85
GRAND TOTAL -----	8,689	12,670	13,105	13,608	15,142	15,047	14,328	15,966	16,750

1/ Preliminary. 2/ Forecasts. 3/ Edible tallow, oleo stock, oleo oil, and oleostearine. Beginning January 1949, use of edible tallow in pressing is subtracted from reported production of tallow. 4/ 43% of actual weight. 5/ 9 pounds per bushel, 1937-41, 9.8 pounds in 1950-51; 10.0 pounds in 1952; 11 pounds in 1953-59. 6/ Excludes cod oil and fish liver oils. 7/ Excludes oil equivalent of imported flaxseed. 8/ 19.8 pounds per bushel. 9/ Less than 500,000 pounds. 10/ Neat's foot oil, wool grease, cod and fish-liver oils, and vegetable oils not reported separately by kind. Totals computed from unrounded numbers.

PRODUCTION OF SOYBEAN OIL

Soybean oil: Production, trade, stocks, Dec. 31 and apparent disappearance, 1930-59 (million lbs.)

Year	Factory production	Imports	Exports 1/	Factory and warehouse stocks Dec. 31	Apparent disappearance
1930	14	11	5	15	20
1935	105	14	4	30	103
1940	533	5	17	93	498
1941	586	1	14	110	555
1942	762	--	20	140	711
1943	1,234	2/	57	181	1,136
1944	1,246	--	78	120	1,229
1945	1,392	2/	41	205	1,266
1946	1,454	--	89	160	1,410
1947	1,543	2/	110	142	1,451
1948	1,604	2/	86	188	1,473
1949	1,859	2/	367	150	1,531
1950	2,075	2/	302	154	1,769
1951	2,473	--	504	281	1,842
1952	2,478	2/	223	237	2,299
1953	2,515	--	49	208	2,496
1954	2,378	--	77	176	2,334
1955	2,827	--	134	218	2,650
1956	3,200	--	679	233	2,506
1957	3,475	--	685	406	2,617
1958	3,943	--	873	273	3,203
1959 Jan.-Sept.	3,188	--	764	298 Sept. 30	2,450

1/ Includes shipments and voluntary relief. 2/ Less than 500,000 lbs.

SOYBEAN OIL UTILIZATION

Soybean oil: Utilization by classes of products, United States, 1931-59 (Million lbs.)

—Food products—

Year	Margarine	Shortening	Other	Total	Soap	—Non-food products—				Total	Total domestic disappearance
						Paint and varnish	Other drying oil prod.	Misc. non-food	Loss incl. oil in foods		
1931		11	7	19	4	6	4	1	2	16	35
1932	1/	5	14	19	6	7	5	1	1	20	39
1933	1/	7	8	15	4	9	7	1	1	22	30
1934	1/	3	10	13	2	10	4	1	1	18	31
1935	2	52	21	75	3	13	6	1	5	28	103
1936	14	114	59	187	5	14	5	2	9	35	222
1937	32	91	20	143	10	16	3	1	10	40	183
1938	40	137	79	256	11	15	7	2	14	49	305
1939	71	202	116	389	11	22	12	4	16	55	454
1940	87	212	107	406	18	30	16	7	21	92	498
1941	76	216	139	431	25	42	21	11	26	124	555
1942	133	336	130	599	32	25	8	6	41	112	711
1943	198	568	207	974	15	20	18	15	93	162	1136
1944	211	620	274	1106	3	19	18	14	69	123	1229
1945	207	683	244	1133	4	26	20	16	66	133	1266
1946	201	744	294	1238	4	30	37	24	77	172	1410
1947	228	705	248	1181	5	89	69	37	69	270	1451
1948	255	708	240	1203	3	100	62	32	73	270	1473
1949	257	713	239	1210	2	124	97	20	80	321	1531
1950	312	841	295	1448	2	117	96	25	82	323	1771
1951	473	731	331	1536	2	88	106	26	84	306	1842
1952	652	851	408	1911	2	120	88	73	104	386	2299
1953	728	912	510	2150	1	104	81	62	98	345	2496
1954	665	918	419	2002	1	139	70	35	86	331	2334
1955	746	930	584	2260	1	184	90	7	108	390	2650
1956	752	782	621	2155	1	114	81	49	107	351	2506
1957	874	796	626	2296	1/	109	81	23	107	320	2617
1958	1067	1056	752	2875	1/	101	57	30	139	328	3203
1959 (Jan.-Sept.)	795	840	567	2202	7	71	51	21	98	248	2450

1/ Less than 500,000 lbs.

Percentage of total domestic disappearance

Year	Margarine	Shortening	Other	Total	Soap	Paint and varnish	Other drying oil prod.	Misc. non-food	Loss incl. oil in foods	Total	Total domestic disappearance
1931	1.8	31.4	20.0	54.3	11.4	17.1	11.4	1.8	5.7	45.7	100.0
1932	1/	12.8	35.9	48.7	15.4	17.9	12.8	2.7	2.7	51.3	100.0
1933	1/	1/	23.3	26.7	13.4	30.0	23.3	3.3	3.3	73.3	100.0
1934	1/	9.6	32.3	41.9	4.5	32.3	12.9	3.2	3.2	58.1	100.0
1935	1.9	50.5	20.4	72.8	2.9	12.6	5.8	1.0	4.9	27.2	100.0
1936	6.3	51.3	26.6	84.2	2.3	6.3	2.3	.9	4.0	15.8	100.0
1937	17.5	49.7	10.9	78.1	3.6	8.7	1.6	.6	5.5	21.9	100.0
1938	13.1	44.9	25.9	83.9	3.6	4.9	2.3	.7	4.6	16.1	100.0
1939	15.6	44.5	25.6	85.7	2.4	4.8	2.7	.9	3.5	14.3	100.0
1940	17.5	42.6	21.4	81.5	3.6	6.0	3.2	1.4	4.3	18.5	100.0
1941	13.7	38.9	25.1	77.7	4.5	7.5	3.7	1.9	4.7	22.3	100.0
1942	18.7	47.2	18.3	84.2	4.5	3.6	1.1	.8	5.8	15.8	100.0
1943	17.4	50.0	18.3	85.7	1.3	1.8	1.6	1.3	8.2	14.3	100.0
1944	17.2	50.5	22.3	90.0	.3	1.5	1.5	1.1	5.6	10.0	100.0
1945	16.3	53.9	19.3	89.5	.3	2.1	1.6	1.3	5.2	10.5	100.0
1946	14.2	52.8	20.8	87.8	.3	2.1	2.6	1.7	5.5	12.2	100.0
1947	15.7	48.6	17.1	81.4	.3	6.1	4.8	2.6	4.8	18.6	100.0
1948	17.3	48.1	16.3	81.7	.2	6.8	4.2	2.2	4.9	18.0	100.0
1949	16.8	46.6	15.6	79.0	.1	8.1	6.3	1.3	5.2	21.0	100.0
1950	17.6	47.5	16.7	81.8	.1	6.6	5.4	1.4	4.7	18.2	100.0
1951	25.7	39.7	18.0	83.4	.1	4.8	5.8	1.4	4.5	16.6	100.0
1952	28.4	37.0	17.8	83.2	.1	5.2	3.8	3.2	4.5	16.8	100.0
1953	29.2	36.5	20.4	86.1	.1	4.2	3.2	2.5	3.9	13.8	100.0
1954	28.5	39.3	18.0	85.8	1/	6.0	3.0	1.5	3.7	14.2	100.0
1955	28.2	35.1	22.0	85.3	1/	6.9	3.4	.3	4.1	14.7	100.0
1956	30.0	31.2	24.8	86.0	1/	4.5	3.2	2.0	4.3	14.0	100.0
1957	33.4	30.4	23.9	87.7	1/	4.2	3.1	.9	4.1	12.3	100.0
1958	33.3	33.0	23.5	89.8	1/	3.2	1.8	.9	4.3	10.2	100.0
1959 (Jan.-Sept.)	32.4	34.4	23.1	89.9	.3	2.8	2.1	.9	4.0	10.1	100.0

1/ Less than .05 percent.

SOYBEAN OIL UTILIZATION—(Continued)

Soybean oil refined: Factory consumption, by uses, in the United States, 1953, 1954, 1955, 1956, 1957, 1958 and first three quarters of 1959 (thousand pounds)

	1953	1954	1955	1956	1957	1958	Crude & refined 1959 1/
Total consumption --	2,227,154	2,183,263	2,487,144	2,760,565	2,674,893	3,547,301	2,491,700
Processing:							
Fat splitting -----	*	*	*	*	*	*	*
Hydrogenation -----	1,141,800	1,108,665	1,185,240	1,125,550	1,255,058	1,631,752	*
Sulphonation -----	544	471	*	*	*	*	*
Winterizing -----	*	126,722	*	48,786	51,768	-----	*
Pressing -----	-----	-----	-----	*	*	-----	*
Deodorizing (whole oil) -----	128,931	153,667	361,201	846,161	620,862	-----	*
Other processing --	*	*	6,825	9,136	8,238	-----	-----
Edible products:							
Shortening -----	470,936	467,051	509,584	423,454	439,978	-----	840.1
Margarine -----	*	62,417	79,046	71,738	89,916	-----	795.3
Other edible -----	110,765	92,024	111,549	64,723	39,452	-----	706.8
Inedible products:							
Soap -----	427	343	*	*	*	-----	*
Chemicals -----	*	*	*	*	*	-----	*
Paint and varnish -----	75,938	74,952	88,444	85,239	78,995	-----	70.6
Lubricants -----	-----	-----	-----	-----	-----	-----	-----
& greases -----	193	165	391	377	356	-----	*
Linoleum -----	-----	-----	-----	-----	-----	-----	-----
& oilcloth -----	10,462	*	*	*	*	-----	*
Other inedible products -----	75,081	85,681	85,986	82,821	90,275	-----	78,900

*Not separately reported for part or all of period. 1/ Beginning January 1959, Census does not report processing, only end products which are reported in million pounds. No breakdown on crude and refined.

Soybean oil crude: Factory consumption, by uses, in the United States, 1953, 1954, 1955, 1956, 1957 and first three quarters of 1958 (thousand pounds)

	1953	1954	1955	1956	1957	1958
Total consumption -----	2,497,720	2,336,045	2,772,287	3,030,550	2,899,411	3,646,183
Used in refining -----	2,409,225	2,256,446	2,666,689	2,872,130	2,850,220	3,606,011
Total use other than refining -----	88,495	79,599	105,598	158,420	49,191	40,172
Processing:						
Fat Splitting -----	5,918	*	*	3,056	1,731	1,732
Hydrogenation -----	*	-----	*	*	*	*
Sulphonation -----	174	210	-----	*	*	*
Other processing -----	*	53,492	65,738	120,639	17,687	15,122
Edible products:						
Shortening -----	-----	-----	-----	-----	-----	-----
Other edible -----	-----	-----	-----	*	*	-----
Inedible products:						
Soap -----	865	564	829	498	306	-----
Chemicals -----	*	-----	-----	*	*	-----
Paint and varnish -----	5,704	4,626	4,478	5,035	4,517	-----
Lubricants -----	-----	-----	-----	-----	-----	-----
& greases -----	441	180	457	188	-----	-----
Linoleum -----	-----	-----	-----	-----	-----	-----
& oilcloth -----	*	*	*	4,466	-----	-----
Other inedible products -----	13,851	11,595	20,246	19,660	24,956	-----

*Not separately reported for part or all of period. Beginning January 1959, Census does not report processing, only end products which are reported in million pounds. No breakdown on crude and refined.

UTILIZATION OF SOYBEAN PRODUCTS

	Crop year 1958-59	Crop year 1957-58	Crop year 1956-57	Crop year 1955-56
Soybean Oil Meal	%	%	%	%
Livestock feed -----	96.0	97.3	96.2	96.4
Industrial -----	.1	.2	.1	.5
Fertilizer -----	-----	-----	.2	-----
Export -----	3.9	2.5	3.5	3.1
	100.0	100.0	100.0	100.0
Soybean Oil	%	%	%	%
Edible -----	92.2	89.5	82.5	89.7
Industrial -----	7.8	10.5	17.5	10.3
	100.0	100.0	100.0	100.0

National Soybean Processors Association.

PRICES OF U. S. SOYBEANS

Soybeans: Average price received by farmers, monthly and season average, U. S. 1923-59
(Dollars per bushel)

Crop year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Season Ave.
1923-24	2.09	2.10	2.11	2.23	2.26	2.41	2.40	2.44	2.49	2.60	2.51	2.33	2.28
24-25	2.23	2.16	2.36	2.59	2.64	2.76	2.77	2.81	2.70	2.71	2.40	2.38	2.46
25-26	2.27	2.18	2.17	2.38	2.33	2.39	2.27	2.37	2.67	2.71	2.31	2.27	2.34
26-27	1.97	1.85	1.83	1.90	2.03	1.98	2.07	2.15	2.20	2.14	2.06	1.91	2.01
27-28	1.86	1.69	1.61	1.70	1.69	1.85	1.93	2.06	2.13	2.12	2.01	1.89	1.81
28-29	1.72	1.69	1.70	1.82	1.93	2.13	2.19	2.30	2.41	2.46	2.15	1.87	1.88
29-30	1.79	1.70	1.72	1.85	1.91	2.00	2.07	2.11	2.16	1.96	1.90	1.80	1.88
1930-31	1.64	1.48	1.44	1.46	1.40	1.42	1.38	1.39	1.29	1.12	.94	.82	1.37
31-32	.52	.47	.47	.47	.48	.51	.51	.52	.51	.47	.47	.47	.50
32-33	.46	.45	.44	.45	.45	.48	.58	.86	.98	1.04	.94	.85	.54
33-34	.68	.69	.73	.81	1.01	1.16	1.26	1.25	1.45	1.54	1.25	1.05	.94
34-35	.95	.89	1.11	1.19	1.27	1.20	1.18	1.21	1.19	.98	.73	.69	.99
35-36	.68	.69	.72	.76	.77	.78	.78	.83	.85	1.05	1.19	1.10	.73
36-37	1.07	1.12	1.30	1.43	1.50	1.52	1.66	1.74	1.50	1.32	1.02	.90	1.27
37-38	.86	.83	.83	.88	.93	.89	.85	.87	.86	.85	.75	.71	.85
38-39	.64	.63	.67	.72	.69	.73	.78	.87	.83	.75	.64	.73	.67
39-40	.73	.82	.97	1.03	.96	1.01	1.00	.97	.99	.73	.67	.69	.81
1940-41	1.42	1.43	1.47	1.65	1.78	1.79	1.76	1.73	1.63	1.62	1.58	1.57	1.55
41-42	1.58	1.58	1.59	1.59	1.60	1.65	1.67	1.72	1.73	1.70	1.68	1.69	1.61
42-43	1.80	1.80	1.81	1.82	1.85	1.89	1.91	1.93	1.93	1.91	1.90	1.93	1.81
43-44	2.04	2.05	2.05	2.06	2.10	2.13	2.13	2.15	2.17	2.16	2.12	2.07	2.05
44-45	2.06	2.09	2.09	2.09	2.11	2.12	2.14	2.16	2.17	2.31	2.35	2.13	2.08
45-46	2.28	3.09	2.75	2.93	3.00	3.67	3.62	3.01	3.07	3.09	3.07	3.05	2.57
46-47	3.11	3.43	3.69	4.11	2.97	3.23	3.64	3.74	3.90	3.66	2.91	2.45	3.33
47-48	2.27	2.36	2.36	2.27	2.05	2.12	2.08	2.18	2.10	2.27	2.60	2.14	2.27
48-49	2.09	1.95	2.09	2.11	2.12	2.25	2.48	2.71	2.80	2.93	2.42	2.26	2.16
49-50	2.03	2.54	2.70	2.90	3.08	3.10	3.12	3.13	2.98	2.86	2.71	2.59	2.47
1950-51	2.62	2.77	2.83	2.78	2.78	2.76	2.72	2.77	3.02	3.00	3.05	2.83	2.73
51-52	2.71	2.71	2.75	2.69	2.63	2.81	2.81	2.78	2.66	2.44	2.40	2.33	2.72
52-53	2.41	2.60	2.81	2.83	2.97	3.22	3.52	3.55	3.49	3.47	3.23	2.51	2.72
53-54	2.54	2.57	2.57	2.58	2.61	2.54	2.42	2.42	2.32	2.23	2.20	2.00	2.46
54-55	2.08	2.06	2.11	2.19	2.25	2.38	2.63	2.98	2.87	2.47	2.33	2.07	2.22
55-56	2.07	2.27	2.27	2.31	2.25	2.26	2.24	2.23	2.18	2.24	2.27	2.13	2.18
56-57	2.04	2.04	2.06	2.05	2.05	2.10	2.16	2.13	2.13	2.11	2.11	1.98	2.07
57-58	1.93	1.89	1.97	2.02	2.05	2.07	2.10	2.13	2.09	2.05	1.98	1.90	2.00
58-59	1.93	2.00											

Source: Agricultural Marketing Service, U. S. Department of Agriculture. Monthly figures are average prices received by farmers on the 15th of the month. Season averages are crop-year average prices, by states, weighted by sales to obtain U. S. average.

Soybeans: Average monthly cash prices 1/ (Cents per bushel) (Simple average of daily closing cash prices.)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Ave.
Chicago — No. 1 yellow													
1946-47	325	322	310	315	325	400	370	316	315	338	332	321	332
1947-48	341	375	400	429	349	356	392	406	420	385	325	280	372
1948-49	251	264	263	253	257	228	232	232	232	261	320	267	254
1949-50	226	220	231	231	235	251	278	305	307	312	285	257	262
1950-51	235	284	306	321	332	333	333	332	315	307	299	287	307
1951-52	290	299	302	299	299	297	291	301	325	329	333	313	307
1952-53	295	297	300	299	291	303	305	297	286	267	267	259	289
1953-54	266	288	302	306	320	351	383	371	374	382	370	290	334
1954-55	276	284	282	281	279	270	260	254	248	245	242	230	263
1955-56	230	229	237	244	253	263	294	319	306	263	245	230	259
1956-57	232	253	250	253	245	244	243	239	233	245	245	233	243
1957-58	226	229	228	226	225	225	230	228	226	228	227	221	227
1958-59	211	214	218	220	223	226	231	234	228	223	215	209	221
Illinois country shipping points — No. 1 yellow													
1946-47	322	317	288	307	320	393	362	312	312	330	317	314	325
1947-48	338	369	394	423	343	352	388	400	414	379	319	273	366
1948-49	243	255	252	240	218	220	215	225	220	250	277	220	236
1949-50	216	210	220	220	225	245	268	290	300	310	275	245	252
1950-51	230	272	295	310	325	325	325	324	304	294	287	277	297
1951-52	280	290	295	290	290	288	282	292	317	322	325	298	297
1952-53	285	289	290	285	282	294	295	287	276	256	255	247	278
1953-54	257	283	299	303	317	349	380	363	366	370	355	272	326
1954-55	269	274	273	274	274	263	254	246	242	236	239	224	256
1955-56	222	219	227	235	245	256	285	310	297	254	240	218	251
1956-57	221	242	239	243	235	235	233	229	226	234	240	219	233
1957-58	212	218	220	217	218	221	224	223	223	224	226	208	219
1958-59	201	201	208	212	215	217	220	223	220	215	200	198	211

1/ Prior to October 1953 quotations are based on No. 2 yellow soybeans. Agricultural Marketing Service.

PRICES OF U. S. SOYBEANS—(Continued)

Soybeans: Average monthly cash prices 1/ (Cents per bushel)
(Simple average of daily closing cash prices.)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Ave.
Minneapolis — No. 1 yellow													
1949-50	220	215	227	227	229	248	270	294	296	311	261	263	255
1950-51	231	269	289	304	323	329	331	326	301	294	284	281	297
1951-52	279	285	288	286	285	283	275	285	310	310	329	304	293
1952-53	277	282	284	276	272	285	286	276	267	255	245	242	270
1953-54	252	274	287	292	307	338	373	362	369	371	270	250	312
1954-55	262	268	267	267	266	254	248	243	237	228	226	216	248
1955-56	217	220	224	230	239	248	281	306	291	256	249	218	248
1956-57	227	242	236	239	232	234	232	228	226	232	231	219	232
1957-58	213	217	215	214	213	219	225	224	220	219	215	206	217
1958-59	200	201	207	209	210	213	215	218	214	213	205	197	209

1/ Prior to October 1953 quotations are based on No. 2 yellow soybeans. Agricultural Marketing Service.

Soybeans for crushing: Average prices of No. 2 yellow soybeans, bulk, in carlots at Chicago, by months, Oct. 1933-Nov. 1959* (Dollars per bushel)

Crop Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Season Ave.
1933-34	.72	.73	.76	.79	.82	.88	.90	.93	.94	.94	—	—	.84
1934-35	.86	.96	1.24	1.27	1.29	1.13	1.07	.95	—	—	—	—	1.05
1935-36	.79	.81	.87	.88	.85	.82	.83	.85	.91	1.22	1.42	1.27	.96
1936-37	1.23	1.29	1.46	1.61	1.59	1.59	1.74	1.75	1.40	1.39	1.12	.98	1.43
1937-38	.98	.93	.95	1.00	1.04	.98	.92	.91	.88	.92	.86	.84	.93
1938-39	.74	.74	.81	.84	.82	.88	.89	.96	.93	.90	—	.87	.85
1939-40	.87	.98	1.15	1.16	1.06	1.14	1.09	1.00	.81	.82	.81	.81	.96
1940-41	.83	.95	.96	1.02	.95	1.04	1.20	1.32	1.39	1.50	1.57	1.83	1.06
1941-42	1.58	1.60	1.67	1.83	1.95	1.92	1.83	1.80	1.72	1.74	1.71	1.71	1.68
1942-43	—	—	—	—	1.79	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.72
1943-44	1.88	—	1.86	1.87	—	1.94	—	—	1.92	1.95	1.94	2.04	1.90
1944-45	—	—	2.18	2.19	2.21	2.20	2.22	—	2.20	—	2.18	2.17	2.20
1945-46	2.11	2.18	2.18	—	—	—	—	—	—	—	—	—	2.13
1946-47	2.87	3.29	3.12	3.21	—	—	—	—	—	3.34	3.11	2.92	3.04
1947-48	3.39	3.66	3.93	4.21	—	3.59	3.86	4.02	—	3.78	3.22	—	3.80
1948-49	2.44	2.58	2.62	2.47	2.26	2.28	2.26	2.32	2.33	2.64	3.20	2.21	2.45
1949-50	2.23	2.19	2.31	2.31	2.36	2.48	2.69	3.11	3.00	3.12	2.92	—	2.29
1950-51	2.37	2.75	3.02	3.22	3.00	—	3.25	—	3.17	3.02	—	2.66	2.61
1951-52	2.91	2.93	2.99	2.98	3.05	—	2.83	3.03	3.25	3.28	—	—	2.98
1952-53	2.92	2.92	2.90	2.83	2.82	—	2.92	2.91	2.82	2.69	—	2.57	2.88
1953-54	2.61	2.85	—	—	—	3.46	—	—	—	—	4.00	2.68	2.71
1954-55	2.74	2.81	2.78	2.76	2.76	—	2.51	2.49	2.38	—	—	—	2.77
1955-56	2.24	2.28	2.33	2.42	—	2.56	2.73	3.10	2.88	2.76	2.56	2.28	2.39
1956-57	2.30	2.51	2.54	2.47	2.36	—	2.33	2.32	—	—	—	—	2.40
1957-58	2.26	2.27	2.28	2.20	—	—	—	—	—	—	—	2.16	2.24
1958-59	2.08	2.11	2.17	2.20	—	2.26	2.31	2.34	2.30	—	—	2.09	2.14
1959-60	2.14	2.21	—	—	—	—	—	—	—	—	—	—	—

* Source: Agricultural Marketing Service, U. S. Dept. of Agriculture. Compiled as follows: Oct. 1933-May 1942 from Chicago Daily Trade Bulletin, June 1942 and subsequently from Chicago Journal of Commerce. Monthly prices, Oct. 1933-Sept. 1939, are simple averages of daily quotations, net track price, monthly prices, Oct. 1939 and subsequently, are weighted averages of reported cash sales—computed by weighting daily selling price by number of carlots sold. **Season average prices 1933-34 through 1938-39, are simple averages of monthly prices; beginning with 1939-40 the season averages are weighted by the monthly volume of cash sales. /Five cars or less sold, subsequently prices may not reflect general price level as there is little or no trading at the terminal market.

VOLUME OF FUTURES TRADING IN SOYBEANS, MEAL AND OIL

Volume of futures trading in soybeans, soybean oil, and soybean meal all markets combined, calendar years, 1951-53 average, 1956, 1957, 1958 and 1959

Commodity	Unit	1951-55 Average	1956	1957	1958	1959
Soybeans (Million bushels)----		3,932	5,794	4,388	3,072	4,408
Soybean oil (Million pounds)---		3,742	12,456	10,491	9,384	8,431
Soybean meal (Thousand tons)		3,575	6,925	5,825	11,986	21,582

1/ Preliminary. Source: Commodity Exchange Authority

VALUE OF U. S. SOYBEAN CROP

Soybeans for beans: Value of production, U. S. and specified states 1925-59 (Thousand dollars)

Year	U. S.	Illinois	Iowa	Indiana	Ohio	Missouri	Minnesota
1925	11,430	3,077	260	872	571	905	
1930	19,058	8,225	1,350	2,495	651	1,584	
1935	35,565	18,983	4,510	4,879	1,771	1,140	76
1940	70,224	29,675	12,478	8,929	8,168	1,601	779
1941	166,042	77,411	24,341	21,337	20,336	3,462	1,752
1942	301,137	108,830	56,013	42,472	38,073	11,304	5,288
1943	345,032	129,881	65,743	46,461	45,851	15,714	5,929
1944	393,893	151,486	79,485	51,685	44,629	21,457	8,088
1945	402,234	156,416	73,143	58,889	39,935	19,843	13,860
1946	522,140	196,610	94,707	66,048	40,310	36,618	28,417
1947	621,477	221,869	98,995	92,594	59,404	31,680	48,096
1948	516,069	184,336	79,529	72,862	42,812	36,093	35,804
1949	506,474	183,561	69,345	72,518	45,360	39,623	29,797
1950	737,822	238,383	112,094	89,208	62,539	64,790	44,129
1951	769,926	263,538	88,918	104,791	59,156	69,402	50,513
1952	809,314	247,932	104,676	107,576	56,043	88,769	57,496
1953	731,721	219,972	103,672	101,375	59,466	68,431	76,164
1954	841,672	224,466	135,331	113,936	73,379	69,125	98,968
1955	830,603	227,956	101,293	99,951	66,640	71,155	98,412
1956	908,747	295,466	108,500	112,584	68,693	78,303	111,920
1957	1,003,262	266,904	156,474	111,230	68,634	76,503	109,608
1958	1,159,091	292,207	160,505	121,913	75,681	109,755	106,791
1959*	1,088,879	263,781	126,882	123,230	78,458	104,420	81,251

* Preliminary. Source of data: Agricultural Marketing Service, U. S. Dept. of Agriculture.

SOYBEAN PRICE SUPPORT OPERATIONS

Year beginning Oct. 1	Production	Owned by CCC on Oct. 1	Under price support	Support	Deliveries to CCC	Season avg. price rec'd by farmers	Price rec'd by farmers as % of parity
		Loans	Purchase agreements	Total of crop	per bu.		
1932-33	15,158	1,000 bu.	1,000 bu.	1,000 bu.	%	1,000 bu.	\$ %
1933-34	13,509						.529 59
1934-35	23,157						.917 88
1935-36	48,901						.963 84
1936-37	33,721						.714 70
1937-38	46,164						1.25 105
1938-39	61,906						.837 69
1939-40	90,141						.664 61
1940-41	78,045						.802 72
1941-42	107,197		149	149	.1	1.05	.892 86
1942-43	187,524		3,641	3,641	1.9	1.60	1.55 116
1943-44	190,133		261	261	.1	1.60	1.60 109
1944-45	192,121		79	79	.04	1.80	1.81 118
1945-46	193,167		32	32	.02	2.04	2.05 129
1946-47	203,395		4/ 6,456	4/ 6,456	3.2	2.04	2.08 123
1947-48	186,451	1	4/ 3,536	4/ 3,536	1.9	2.04	2.56 143
1948-49	227,217	0	6,928	4,065	10,993	2.04	3.34 144
1949-50	234,194	6,279	11,222	4,839	15,061	2.18	2.27 95
1950-51	299,249	7	14,716	238	14,954	41 2.11	2.17 95
1951-52	283,777	1	10,759	374	11,133	29 2.06	2.47 102
1952-53	298,839	1	11,671	2,427	14,098	57 2.45	2.73 99
1953-54	269,169	1,980	30,348	1,442	31,790	4.7 3,858	2.56 2.72 95
1954-55	341,075	13	37,943	3,470	41,413	7 2.56	2.73 109
1955-56	373,522	6,570	27,490	2,643	41,133	12.1 15,550	2.22 2.46 84
1956-57	449,446 6/		59,769	5,943	65,712	2 2.04	2.22 82
1957-58	483,715	5,166	71,628	18,924	90,552	14.6 27,286	2.09 2.18 74
1958-59	579,713	13,882	125,895	5/14,303	140,198	18.7 44,123	2.09 2.07 69
1959-60	537,895	44,240			24.2 71,994	1.85 2.00	69

1/ The prices shown from which the support levels were computed are comparable and parity prices originally reported as follows: 1941-49, August comparable price; 1950-55, parity prices as follows: 1950, August; 1951, January; 1952, November 1951; 1953, September 1952; 1954, December 1953; 1955, February 1955; 1956, January. 2/ Generally mid-September parity prices. 3/ State average prices weighted by sales to obtain national average. Prices for years in which there was a substantial volume of deliveries to CCC from loans and purchase agreements include an allowance for such deliveries valued at average loan rates. 4/ Practically all processor loans. 5/ Preliminary. 6/ Less than 500 bushels. Grain Division, Commodity Stabilization Service

PRICE SPREAD, SOYBEANS AND END PRODUCTS

Soybeans: Spread between price received by farmers and value of products, 1945-58
(Using monthly average of spot prices weighted by monthly crush)

Year beginning October	Soybean oil				Soybean meal				Spread between price rec'd by farmers and value of products (9)	
	Soybean average price rec'd by farmers 1)	Yield 2)	Price 3)	Value (Cols. 2 x 3)	Yield 4)	Price 5)	Value (Cols. 5 x 6)	Value of products (8)		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	\$ Per Bu.	Lbs.	c Per Lb.	Dollars	Lbs.	c Per Lb.	Dollars	Dollars	Dollars	Dollars
1945	2.08	8.9	11.9	1.06	48.1	2.72	1.31	2.37	.29	
1946	2.57	9.0	23.3	2.10	48.0	3.56	1.71	3.81	1.24	
1947	3.33	9.5	23.8	2.26	47.5	4.08	1.94	4.20	.87	
1948	2.27	9.8	13.1	1.28	47.1	3.29	1.55	2.83	.56	
1949	2.16	9.9	12.3	1.22	48.0	3.22	1.55	2.77	.61	
1950	2.47	9.7	18.1	1.76	47.6	3.21	1.53	3.29	.82	
1951	2.73	10.0	11.4	1.14	47.6	4.11	1.96	3.10	.37	
1952	2.72	10.8	12.1	1.31	48.5	3.40	1.65	2.96	.24	
1953	2.72	11.0	13.5	1.48	48.4	3.90	1.89	3.37	.65	
1954	2.46	10.9	11.9	1.30	46.8	3.03	1.42	2.72	.26	
1955	2.22	11.1	12.6	1.40	47.2	2.62	1.24	2.64	.42	
1956	2.18	10.9	12.7	1.38	48.5	2.37	1.15	2.53	.35	
1957	2.07	10.7	10.8	1.16	47.8	2.67	1.28	2.44	.36	
1958	2.00	10.6	9.5	1.01	48.4	2.79	1.35	2.36	.36	

1) Agricultural statistics, U. S. average. 2) Census "Facts for Industry," U. S. average. 3) Spot price, crude tank cars, f.o.b. Midwestern mills from AMS monthly series weighted by volume crushed. 4) Census "Facts for Industry," U. S. average adjusted upward to include outturn as flour. 5) Spot price, bulk, 44% protein (41% before July 1950) basis Decatur from AMS monthly series weighted by volume crushed.

PRICES OF U. S. SOYBEAN OIL MEAL

Soybean oil meal: Average price per ton, bagged, in carlots, 44% protein, at Chicago by months, Oct. 1929 - Nov. 1959* (Dollars per ton)

Crop year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Ave.**
1929-30	58.30	54.20	53.05	51.80	48.25	48.20	50.15	50.70	48.75	46.00	47.80	47.50	50.40
1930-31	44.00	41.20	40.00	39.30	36.60	33.15	31.90	28.60	25.80	24.90	23.35	21.40	32.50
1931-32	18.60	23.85	23.00	20.45	18.75	18.90	19.90	19.95	20.20	20.05	22.60	23.70	20.85
1932-33	22.75	21.70	21.70	21.70	21.70	22.60	23.70	28.30	28.85	39.20	39.00	34.85	27.15
1933-34	31.70	30.15	30.50	30.60	31.50	32.50	33.25	33.60	34.50	34.50	37.75	39.50	33.35
1934-35	38.50	38.85	41.20	40.70	38.45	37.10	33.80	33.20	31.70	29.05	24.00	22.85	34.10
1935-36	25.60	24.40	25.50	25.15	23.90	22.30	23.30	24.80	26.10	28.90	44.30	39.70	28.65
1936-37	36.90	39.15	43.00	44.10	41.50	41.10	47.60	48.35	39.20	37.30	34.90	34.20	40.60
1937-38	28.80	29.50	28.80	30.00	29.60	28.10	26.00	26.30	25.30	26.95	26.15	27.00	27.70
1938-39	24.60	24.40	26.20	26.30	24.70	24.45	24.70	26.30	25.95	24.70	25.70	33.70	26.00
1939-40	28.30	32.70	34.95	33.90	29.95	30.45	29.65	28.65	24.40	22.25	24.60	27.00	28.90
1940-41	25.90	30.50	29.60	29.75	26.60	26.85	27.50	28.10	29.70	33.80	36.20	41.40	30.50
1941-42	37.95	39.10	42.50	46.45	46.45	44.85	41.00	38.30	37.90	41.80	42.60	43.50	41.85
1942-43	42.70	46.60	39.00	39.35	39.60	40.60	40.60	40.55	40.40	40.40	51.90	51.90	42.80
1943-44	51.90	51.90	51.90	51.90	51.90	51.90	51.90	51.90	51.90	51.90	51.90	52.00	51.90
1944-45	52.00	52.00	52.00	52.00	52.00	52.00	52.00	62.50	66.00	97.00	93.15	66.00	62.40
1945-46	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00
1946-47	79.50	93.35	80.70	71.90	65.40	81.05	72.15	68.55	76.30	89.75	91.90	102.70	81.10
1947-48	91.05	92.10	101.50	110.25	89.00	84.75	86.20	86.60	94.25	96.90	84.40	81.50	91.60
1948-49	68.80	79.25	78.00	73.45	65.80	67.40	70.55	71.00	75.00	85.55	100.30	83.15	76.40
1949-50	74.80	69.40	68.80	66.00	65.05	69.65	73.30	82.60	85.15	96.40	78.20	65.85	74.60
1950-51	64.90	73.35	76.40	77.20	82.55	79.65	75.45	76.55	76.30	80.50	77.40	82.80	76.90
1951-52	86.25	86.65	86.65	86.65	87.00	87.00	99.65	102.65	106.70	105.05	117.20	103.35	96.25
1952-53	93.70	88.00	85.05	80.10	78.10	79.10	78.10	79.60	78.50	76.40	73.15	70.65	80.05
1953-54	68.55	71.20	82.15	84.60	88.10	95.25	106.80	101.35	98.35	104.20	98.35	78.90	89.80
1954-55	76.00	79.05	79.50	78.35	76.10	72.35	69.85	64.15	62.35	64.60	65.05	70.70	71.50
1955-56	66.70	59.75	61.10	61.85	60.40	58.05	64.20	70.80	71.90	66.15	63.00	58.10	62.50
1956-57	57.10	58.80	58.25	61.20	58.30	58.25	56.90	56.90	55.75	58.10	64.40	62.50	58.85
1957-58	58.10	56.50	55.40	55.25	58.40	65.75	71.00	67.10	68.25	80.10	71.60	71.20	64.90
1958-59	60.60	64.40	71.00	73.25	64.40	64.60	65.40	64.50	62.70	66.75	62.50	60.00	65.50
1959-60	65.15	66.40											

* Source: Agricultural Marketing Service, U. S. Dept. of Agriculture. Prior to July 1950, prices are on basis of 41% protein. ** Simple average for months shown, rounded to nearest 5c.

PRICES OF U. S. SOYBEAN OIL MEAL—(Continued)

Soybean meal, 44% protein 1/
Average wholesale price per ton, bulk, at Decatur, 1940 to date 2/ (Dollars)

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1940-41	19.80	24.40	23.50	23.65	20.50	20.75
1941-42	31.85	33.00	36.40	39.35	39.35	37.75
1942-43	35.60	39.50	31.90	32.25	32.50	33.50
1943-44	45.00	45.00	45.00	45.00	45.00	45.00
1944-45	45.00	45.00	45.00	45.00	45.00	45.00
1945-46	45.00	45.00	45.00	45.00	45.00	45.00
1946-47	71.40	82.90	71.30	64.10	56.00	70.25
1947-48	82.50	82.90	90.40	98.25	78.30	72.30
1948-49	56.25	69.50	67.50	62.70	56.10	56.85
1949-50	62.30	59.20	60.05	55.90	56.45	59.35
1950-51	54.05	61.45	64.70	63.90	69.25	67.00
1951-52	74.00	74.00	74.00	74.00	74.00	74.00
1952-53	81.10	74.75	71.90	67.90	64.90	66.40
1953-54	57.25	59.40	71.60	73.75	77.10	84.50
1954-55	65.25	67.70	68.25	67.10	65.60	61.50
1955-56	56.00	49.00	50.25	51.00	49.40	47.40
1956-57	45.70	47.40	46.95	49.90	46.90	46.75
1957-58	46.60	45.00	43.90	43.75	46.90	54.25
1958-59	50.60	54.75	60.90	63.25	54.75	55.10
1959-60	56.60					

Year	Apr.	May	June	July	Aug.	Sept.	Average
1940-41	21.40	22.00	23.60	27.70	30.10	35.30	24.40
1941-42	33.90	31.20	30.85	34.70	35.50	36.40	35.00
1942-43	33.50	33.50	33.50	33.50	45.00	45.00	35.75
1943-44	45.00	45.00	45.00	45.00	45.00	45.00	45.00
1944-45	45.00	45.00	45.00	45.00	45.00	45.00	45.00
1945-46	45.00	55.50	59.00	89.65	85.00	59.00	55.25
1946-47	64.80	60.10	69.40	81.20	82.55	93.80	72.30
1947-48	75.00	77.15	84.70	86.80	74.70	67.85	80.90
1948-49	61.25	60.40	65.25	74.50	91.60	71.35	66.10
1949-50	62.30	72.75	74.90	86.35	67.30	54.80	64.30
1950-51	62.00	63.40	64.40	68.80	64.60	69.75	64.45
1951-52	3/83.90	3/88.60	3/93.25	3/93.10	3/103.60	3/93.50	83.35
1952-53	64.40	66.75	65.90	65.25	62.00	59.60	67.55
1953-54	95.95	89.40	87.40	92.40	87.60	67.25	78.65
1954-55	59.20	53.40	52.15	53.90	54.30	60.10	60.70
1955-56	53.00	60.05	60.75	54.80	52.10	46.90	52.55
1956-57	45.50	45.40	44.25	46.60	52.90	51.00	47.45
1957-58	59.50	55.60	56.75	68.60	60.25	59.70	53.40
1958-59	55.90	55.40	54.80	58.50	54.25	51.70	55.80

1/ 41% 1940-50. 2/ Does not include bagging charges which averaged as follows by years: 1940-41 \$2.50; 1941-42 \$3.00; 1942-46 \$3.50; 1946-50 \$4.50; 1950-52 \$6.00; 1952-53 \$5.00; 1953-58 \$4.50.
3/ Soybean meal mix. Grain Division, Agricultural Marketing Service, U. S. Dept. of Agriculture.

Soybean oil meal: Prices paid by farmers per 100 pounds for specified feeds,
United States, by months, 1947-59.

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ave.
1947	\$4.67	\$4.27	\$4.47	\$4.54	\$4.20	\$4.34	\$4.78	\$5.08	\$5.26	\$5.43	\$5.22	\$5.44	\$4.81
1948	5.82	5.24	5.09	5.02	5.03	5.12	5.43	5.08	5.14	4.26	4.38	4.64	5.02
1949	4.48	4.14	4.09	4.15	4.17	4.16	4.57	5.15	5.16	4.69	4.36	4.32	4.45
1950	4.20	4.02	4.11	4.19	4.58	4.73	5.16	5.01	4.44	4.15	4.24	4.34	4.43
1951	4.51	4.54	4.75	4.59	4.65	4.55	4.69	4.74	4.77	4.97	5.10	5.16	4.75
1952	5.20	5.30	5.37	5.41	5.53	5.62	5.69	5.85	6.08	5.80	5.46	5.34	5.55
1953	5.10	4.97	4.92	4.81	4.80	4.77	4.77	4.74	4.61	4.47	4.37	4.82	4.76
1954	4.89	5.03	5.30	5.58	6.03	5.71	5.81	5.85	5.53	4.82	4.79	4.82	5.35
1955	4.77	4.73	4.62	4.50	4.36	4.16	4.16	4.14	4.17	4.33	4.08	3.97	4.33
1956	3.99	3.94	3.87	3.95	4.22	4.32	4.29	4.15	4.05	3.88	3.86	3.85	4.03
1957	3.86	3.89	3.82	3.80	3.78	3.74	3.75	3.88	3.95	3.87	3.78	3.73	3.82
1958	3.71	3.72	3.95	4.21	4.27	4.20	4.47	4.62	4.41	4.32	4.11	4.32	4.19
1959	4.47	4.39	4.25	4.26	4.23	4.15	4.26	4.20	4.12	4.12			

Agricultural Marketing Service, U. S. Department of Agriculture.

NOTICE

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SOYBEAN BLUE BOOK

PRICES OF U. S. SOYBEAN OIL

Soybean oil, domestic crude: Average price per pound in tank cars at Midwestern mills, by months, Oct. 1929 - Nov. 1959 (Cents)

Crop year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Season ave.**
1929-30	10.7	9.7	8.8	8.4	8.4	8.4	9.0	8.9	8.9	9.3	9.3	9.3	9.1
1930-31	8.8	7.4	6.7	6.4	6.0	5.7	5.8	6.2	5.7	6.1	6.0	5.3	6.3
1931-32	5.1	4.4	3.8	3.3	3.2	3.1	3.0	3.0	3.0	3.1	3.1	3.2	3.4
1932-33	3.4	2.9	3.0	3.0	3.2	3.5	3.4	4.5	6.1	7.4	8.0	6.8	4.6
1933-34	6.0	6.2	6.2	5.6	5.6	5.9	6.0	6.0	5.5	5.8	5.7	5.8	5.9
1934-35	6.1	6.3	7.3	7.8	8.1	9.1	8.4	8.8	8.6	7.8	7.1	7.1	7.8
1935-36	8.1	8.1	8.1	7.6	7.2	6.8	6.8	6.3	6.0	7.9	8.0	8.2	7.4
1936-37	8.0	8.0	9.1	9.8	9.9	9.8	9.8	9.0	8.2				9.1
1937-38	5.8	5.6	5.2	5.8	6.1	6.4	5.9	5.7	5.2	5.9	5.7	5.2	5.7
1938-39	5.0	5.1	5.1	4.9	4.8	4.9	4.7	4.9	4.8	4.2	4.0	5.6	4.8
1939-40	5.0	4.7	5.3	5.2	5.4	5.6	5.5	5.0	4.7	4.6	4.2	3.9	4.9
1940-41	3.9	4.2	4.5	5.1	5.1	6.1	7.6	8.7	9.6	9.8	9.5	10.5	7.0
1941-42	10.4	9.8	10.1	11.4	11.7	11.8	11.8	11.8	11.6	11.2	11.4	11.7	11.2
1942-43	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
1943-44	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
1944-45	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
1945-46	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.9
1946-47	18.8	24.2	24.6	26.0	28.4	33.6	27.4	21.4	18.2	17.2	15.9	18.8	22.9
1947-48	20.7	25.6	26.2	26.6	19.6	21.4	24.5	26.3	27.3	22.1	22.1	22.8	23.8
1948-49	18.6	19.1	17.3	14.3	12.3	10.8	10.5	10.8	9.4	9.7	12.9	11.4	13.1
1949-50	10.1	9.6	10.2	10.8	11.4	12.8	13.1	13.8	13.2	12.9	14.5	15.0	12.3
1950-51	14.6	17.1	19.6	20.6	21.1	20.5	20.5	19.5	16.4	14.5	15.4	14.0	17.8
1951-52	13.8	13.2	12.6	11.2	10.7	10.2	9.1	10.1	11.2	11.3	11.5	11.2	11.3
1952-53	10.9	11.8	12.9	12.7	12.6	13.5	13.7	12.3	11.5	10.3	10.8	11.7	12.1
1953-54	13.3	13.6	12.6	12.1	12.5	13.3	14.1	13.9	14.2	14.1	14.8	13.5	13.5
1954-55	12.1	12.2	12.5	12.2	12.2	11.8	11.6	12.2	12.6	11.6	11.3	10.6	11.9
1955-56	10.9	11.0	10.9	11.7	12.8	14.3	14.9	15.3	13.6	12.5	11.4	11.3	12.6
1956-57	12.5	13.6	14.1	14.4	14.0	13.0	12.4	11.7	11.7	11.9	11.4	11.3	12.7
1957-58	11.3	11.6	11.4	11.5	11.4	11.0	11.0	11.0	10.2	9.9	10.0	9.8	10.8
1958-59	10.2	10.4	9.5	9.5	9.3	9.3	9.3	9.4	9.5	9.2	9.3	9.1	9.5
1959-60	8.6	8.0											

* Source: Agricultural Marketing Service, U. S. Dept. of Agriculture. Monthly prices, Oct. 1929 through Sept. 1938, compiled from Oil Paint and Drug Reporter; Oct. 1938 through Dec. 1952 compiled from The National Provisioner; since February 1953 from Oil Paint and Drug Reporter. **Simple average for months shown.

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IMPORTS, EXPORTS, SOYBEANS, OIL AND MEAL

Soybeans: United States, exports as such and as oil and meal equivalent, by country of destination, year beginning Oct. 1, 1954-55 through 1958-59

Continent and country of destination	Soybeans					Oil equivalent of soybeans 1/					Meal equivalent of soybeans 2/						
	'54-55	'55-56	'56-57	'57-58	'58-59	3/	'54-55	'55-56	'56-57	'57-58	'58-59	3/	'54-55	'55-56	'56-57	'57-58	'58-59
	1,000 Bu.	1,000 Bu.	1,000 Bu.	1,000 Bu.	1,000 Bu.		1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds		1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
North America:																	
Canada	8,107	8,890	10,191	10,729	15,173		89,015	97,612	111,897	117,804	166,599		186	205	242	251	360
Cuba	(4/)	(4/)	(4/)	(4/)	320		5	2	11	12	3,514		(5/)	(5/)	(5/)	(5/)	(5/)
Mexico	8,107	8,890	10,192	10,730	15,499		89,020	97,614	111,908	117,817	170,179		186	205	242	251	368
South America:																	
Argentina	(4/)	9	3	1	173		1	99	33	11	1,900		(5/)	(5/)	(5/)	(5/)	(5/)
Other	(4/)	--	4	1	173		1	--	44	11	1,900		(5/)	(5/)	(5/)	(5/)	(5/)
Europe:																	
Austria	751	37	2,617	2,575	3,985		8,246	22,959	28,734	28,773	43,755		17	48	62	60	94
Belgium-Luxembourg	2,886	4,223	5,295	4,818	5,595		31,688	46,369	58,139	52,502	60,884		66	98	126	113	131
Denmark	2,370	1,575	2,124	910	2,017		26,022	17,293	23,321	9,992	22,147		54	36	50	21	48
France	8,045	12,633	15,139	11,158	13,200		88,334	138,710	166,226	122,515	144,936		184	292	360	261	313
Germany, West	29	30	15	34	1,328		318	329	164	373	14,581		1	1	(5/)	1	31
Italy	7,369	9,140	14,151	10,844	15,598		80,911	100,357	155,378	119,067	171,266		169	211	336	254	370
Netherlands	816	674	1,405	1,151	1,575		8,959	7,400	15,427	12,638	17,293		19	16	33	27	37
Norway	520	93	661	401	374		5,709	1,021	7,258	4,403	4,107		8	2	16	--	9
Sweden	373	50	270	392	4,095		4,095	549	2,264	4,403	4,107		8	2	16	--	9
Switzerland	1,794	1,491	1,959	3,992	2,216		19,698	16,371	21,510	43,832	24,332		41	34	47	94	53
United Kingdom	164	335	328	1,796	1,800		1,800	3,678	3,601	19,720	--		--	--	--	--	--
Ireland	--	--	(4/)	--	--		--	--	--	--	--		--	--	--	--	--
Poland	--	--	(4/)	--	--		--	--	--	--	--		--	--	--	--	--
Yugoslavia	--	--	6/	7/	94		--	--	--	--	--		--	--	--	--	--
Other	--	--	--	--	--	6/	--	--	--	--	--		--	--	--	--	--
Total	25,117	32,372	43,968	37,773	45,843	6/	275,760	355,442	482,768	414,748	503,356		575	748	1,044	884	1,086
Africa:																	
Algeria	103	--	--	228	956		1,131	--	--	--	2,503		2	--	--	--	--
Morocco	19	--	--	228	956		208	--	--	--	10,497		1	--	--	--	--
Total	122	--	--	--	--		1,339	--	--	--	10,497		3	--	--	--	--
Asia:																	
Israel	2,376	1,808	2,508	3,649	5,050		26,088	19,852	27,538	40,066	55,449		54	42	60	85	120
China	4,321	3,594	3,517	3,790	4,213		47,444	39,462	38,616	41,614	46,259		99	83	84	89	100
Taiwan	20,350	20,402	22,882	26,872	36,708		223,443	224,014	251,244	294,505	403,054		466	472	543	628	870
Japan	115	313	2,160	2,424	1,189		1,253	3,437	23,717	26,615	13,055		3	7	51	57	28
Korea, South	59	49	85	57	99		648	538	933	626	1,087		1	1	2	1	2
Philippines	52	44	45	33	342		483	494	494	362	3,755		1	1	1	1	8
Other	27,273	26,210	31,197	36,775	47,601	6/	299,457	287,786	342,542	403,788	522,659		624	606	741	861	1,128
Total	60,619	67,483	85,361	85,507	110,072	2	665,597	740,963	937,264	938,867	1,208,591		1,388	1,559	2,027	2,001	2,609

1/ Calculated at 18.3%. 2/ Based on actual output of meal. 3/ Preliminary. 4/ Less than 500 bushels. 5/ Less than 500 tons. 6/ All to Rumania. 7/ 75,000 bushels to Czechoslovakia and 19,000 bushels to Trieste. Compiled from official records of the Bureau of the Census, by Foreign Agricultural Service, U. S. Department of Agriculture.

SOYBEANS: INSPECTIONS FOR EXPORT

Soybeans: Inspections for export by ports and country of destination

October-September 1957-58, 1958-59 (1,000 bushels)

Country of destination	Philadelphia	Baltimore	New York	New Orleans	Mobile	Port Allen	Lake Ports	Other Ports	Total '58-59	'57-58
United Kingdom	390	594	652	130	---	---	233	112	2,111	1,952
Belgium	---	307	37	827	318	331	---	---	1,820	3,152
The Netherlands	411	3,041	3,125	7,355	6,815	1,345	737	112	22,941	17,410
Denmark	---	431	371	1,964	1,098	690	391	---	4,945	4,595
Norway	72	413	253	373	---	---	211	---	1,322	1,152
Sweden	---	---	---	---	---	---	---	---	0	0
West Germany	187	444	647	5,648	2,185	483	779	---	10,373	8,702
France	---	215	---	635	271	---	---	---	1,121	283
Italy	---	670	---	576	---	---	78	---	1,324	71
Israel	349	808	690	2,196	992	---	---	---	5,035	3,308
Philippines	---	---	---	---	---	---	---	---	0	15
Japan	589	894	383	17,407	2,119	15,693	---	36	37,121	27,729
Taiwan (Formosa)	---	---	2,001	561	220	680	---	---	3,462	3,867
Korea	---	---	---	1,432	---	---	---	---	1,432	1,968
Hong Kong	21	62	19	53	---	---	---	57	212	0
Poland	---	---	---	---	---	---	---	---	0	1,776
Canada	---	---	---	---	---	---	14,228	---	14,228	9,929
Other	---	30	334	953	360	---	75	156	1,908	625
Total	2,019	7,909	8,512	40,110	14,378	19,222	16,732	473	109,355	86,534

Note: Data are based on weekly reports of inspections by licensed grain inspectors for export and do not include rail or truck movement to Canada or Mexico. In some cases the ultimate destination of soybeans exported is not shown on the inspection reports, therefore the quantity of each country may vary from official Census data which are based on custom declarations.

U. S. TRADE IN SOYBEANS, FATS AND OILS

United States: Trade in soybeans and oil and total trade in fats and oils, oil equivalent, annual 1950-58 and January-September 1959

Calendar Year	Total fats and oils 1,000 Pounds	Exports 1/		Imports	
		Soybeans and soybean oil 1,000 Pounds	Percentage soybeans and oil Percent	Total fats and oils 1,000 Pounds	Soybeans and soybean oil 1,000 Pounds
1950	2,025,032	486,686	24.0	1,340,643	30
1951	2,445,945	744,376	30.4	1,205,309	15
1952	2,278,164	457,991	20.1	978,542	6
1953	2,607,228	488,329	18.7	1,000,071	37
1954	3,865,855	554,673	14.3	991,212	196
1955	4,130,818	879,400	21.3	1,050,458	11
1956	4,946,659	1,440,874	29.1	985,590	18
1957	4,613,446	1,650,810	35.8	983,730	2
1958	3,915,273	1,798,490	45.9	1,003,804	22
1959 Jan.-Sept. 2/	3,789,403	1,554,442	41.0	776,277	36

1/ Figures include primary fats and oils, secondary fats and oils, butter, oil equivalent of oilseeds, oil equivalent of fats and oils products such as soap, shortening, etc., "Core," Section 416, and re-exports. They do not include shipments. 2/ Preliminary. U. S. Department of Agriculture, Agricultural Marketing Service, Fats and Oils Section.

OIL AND FAT EXPORTS UNDER P.L. 480

Cottonseed and soybean oils: Exports under Title 1, Public Law 480 programs, and total exports, October 1954-September 1959 (million pounds)

Type of oil	1954-55	1955-56	Oct. 1 - Sept. 30, 1956-57	1957-58	1958-59	Oct. 1, 1954-Sept. 30, 1959
Shipments under P. L. 480:						
Cottonseed	117	291	55	97	141	701
Soybean	---	279	495	592	747	2,113
Total	117	570	550	689	888	2,814
Total shipments:						
Cottonseed	1,710	1,611	423	248	404	2,396
Soybean	50	557	807	803	941	3,158
Total	760	1,168	1,230	1,051	1,345	5,554

1/ Includes donations (30 million in 1954-55 and 6 million in 1955-56) from CCC stocks to private charitable agencies for distribution abroad, which were not included in Census data.

EXPORTS UNDER P. L. 480—(Continued)

Fats and oils: Exports under Title 1, Public Law 480, October 1958-September 1959 (million pounds)

Country	Edible oils			Lard	Tallow	Linseed oil
	Cottonseed 1958-59	Soybean 1958-59	Total 1958-59			
Burma	---	0.1	0.1	---	---	---
Colombia	---	17.1	17.1	---	---	---
China, Taiwan	---	6.0	6.0	---	---	---
Ecuador	1.4	1.8	3.2	---	---	---
Iceland	---	.4	.4	---	---	---
Israel	13.2	4.4	17.6	---	---	---
Italy	---	7.8	7.8	---	---	---
Pakistan	27.1	23.9	51.0	---	---	---
Poland	---	59.6	59.6	---	---	---
Spain	---	445.9	445.9	---	---	---
Turkey	84.0	72.0	156.0	---	---	---
Yugoslavia	4.4	99.2	103.6	---	---	---
V.A.R. (Egypt)	11.0	8.8	19.8	---	---	---
Total	141.1	747.0	888.1	---	---	---

There were no exports of lard, tallow or linseed oil under P.L. during 1958-59.

IMPORTS, EXPORTS CAKE AND MEAL

Oilseed cake and meal: Imports and exports, U. S., year beginning October 1929-58 (1,000 tons)

Year beginning Oct.	Imports					Exports					Total
	Cotton- seed cake and meal	Soy- bean cake and meal	Lin- seed cake and meal	Pea- nut cake and meal	Copra cake and meal	Cotton- seed cake and meal	Soy- bean cake and meal	Lin- seed cake and meal	Pea- nut cake and meal	Copra cake and meal	
1929	18.5	73.5	31.5	18.3	16.3	148.1	126.2	232.2	*	*	358.4
1930	.3	24.0	10.1	12.2	10.9	47.5	55.1	204.9	*	*	260.0
1931	1.1	18.6	12.3	12.3	4.6	38.9	218.9	169.2	*	*	388.1
1932	3.0	28.3	11.2	12.3	7.1	51.9	145.8	168.0	*	*	313.8
1933	5.0	25.0	8.7	1.2	27.9	67.8	63.1	241.7	*	*	304.8
1934	47.4	64.2	10.2	3.5	51.5	176.8	2.9	205.5	*	*	208.4
1935	5.7	20.0	17.2	1.9	49.3	94.1	10.6	210.6	*	*	221.2
1936	26.8	55.7	15.9	9.6	73.0	181.0	12.6	328.8	*	*	341.4
1937	4.6	15.5	5.3	2.2	39.8	67.4	88.5	240.3	*	*	328.8
1938	4.4	12.3	7.8	10.5	53.9	88.9	11.6	286.6	*	*	333.2
1939	33.0	12.1	1.3	9.8	88.4	144.6	4.9	146.7	*	*	213.9
1940	52.2	8.1	.6	7.5	84.0	152.4	.9	4.8	*	*	31.1
1941	37.3	0	.2	7.1	22.6	67.2	1.1	19.7	11.1	*	31.9
1942	46.8	0	1.0	4.6	0	52.4	1.7	20.9	4.2	.1	27.0
1943	96.3	0	2.5	3.6	0	102.4	.6	16.1	1.5	.1	18.4
1944	87.4	0	10.0	2.5	.1	100.0	4	10.0	.7	.4	11.2
1945	47.6	4	1.2	3.1	1.5	53.4	4	.9	.3	.1	1.4
1946	15.6	0	1.1	.5	17.2	5.3	141.7	4.6	26.2	5.1	182.9
1947	13.8	0	8.8	3.1	7.0	32.7	9.6	95.7	28.5	3.7	137.5
1948	39.4	3.2	8.1	.9	44.3	95.9	121.7	150.1	54.0	21.1	346.9
1949	104.8	26.1	4.8	6.2	56.4	198.3	123.6	47.4	6.5	48.9	226.4
1950	90.7	32.8	1.0	1.1	65.8	191.4	13.2	181.1	29.2	24.0	247.8
1951	201.9	24.1	23.3	5.2	104.2	358.7	35.0	41.8	7.0	2.2	86.0
1952	135.6	41.1	26.4	3.5	96.5	303.1	55.2	46.8	4	4	102.0
1953	69.8	15.6	.6	.7	79.8	166.5	66.1	66.5	34.2	1.4	168.2
1954	32.3	0	0	0	62.8	95.1	167.8	271.7	75.0	1.6	516.1
1955	59.4	0	0	0	44.9	104.3	155.7	400.4	152.6	30.0	738.7
1956	54.6	.1	2.5	0	66.6	123.8	30.1	443.2	42.7	15.0	531.0
1957	71.6	1.4	7.9	0	67.5	148.4	7.2	300.0	5.9	1.7	322.6
1958	127.5	4	4.0	0	30.6	162.1	27.3	512.2	31.2	*	570.7

†Calendar year following. *Not separately reported. ‡Less than 50 tons. Compiled from data of the Bureau of Foreign and Domestic Commerce, and Bureau of the Census. Table prepared by the Agricultural Marketing Service, U. S. Dept. of Agriculture.

IMPORTS, EXPORTS CAKE AND MEAL—(Continued)

Soybean cake and meal: United States, exports by country of destination, year beginning Oct. 1, 1952-53 through 1958-59 (short tons)

Country of destination	1952-53	1953-54	1954-55	1955-56	1956-57	1957-58	1958-59
North America:							1/
Barbados	-----	-----	30	198	370	449	150
Canada	18,532	28,738	72,638	197,113	205,195	127,666	236,523
Cuba	12,354	13,957	18,662	23,213	30,722	36,392	40,277
Jamaica	32	10	200	124	140	415	290
Mexico	44	60	222	214	4,168	8,822	8,124
Panama	1	30	40	-----	-----	523	1,131
Trinidad and Tobago	-----	-----	-----	-----	24	50	597
Others	-----	-----	-----	33	76	230	252
Total	30,963	42,795	91,792	220,895	240,695	174,547	287,344
Europe:							
Austria	-----	1,000	-----	-----	-----	-----	-----
Belgium-Luxembourg	-----	20	17,406	24,742	26,063	13,254	14,000
Denmark	-----	-----	24,950	21,510	48,584	15,027	8,128
Finland	-----	-----	8,929	7,363	-----	-----	-----
France	-----	-----	4,591	6,880	125	1,092	-----
Germany, West	-----	210	1,683	11,998	5,526	2,053	8,395
Gibraltar	-----	-----	-----	55	-----	-----	-----
Greece	-----	-----	-----	11	210	234	1,711
Iceland	125	375	1,440	1,657	1,217	901	940
Ireland	-----	1,515	3,900	1,551	3,469	2,024	3,677
Italy	115	-----	10,999	28,418	53,698	62,200	87,194
Netherlands	-----	110	39,585	14,360	8,036	3,045	30,458
Norway	-----	-----	25,529	21,585	17,362	10,222	18,654
Portugal	-----	-----	-----	-----	-----	165	-----
Spain	-----	-----	50	118	2,946	742	21,042
Sweden	22	-----	555	11,976	12,526	28	50
Switzerland	-----	-----	1,219	1,543	601	-----	578
Trieste	-----	-----	1,504	-----	-----	-----	-----
United Kingdom	200	640	16,030	5,969	5,016	1,710	172
Total	462	3,870	158,370	159,736	185,379	112,697	194,999
Asia:							
Japan	14,374	17,537	18,455	13,878	5,521	1,245	794
Philippines	644	958	1,833	4,052	7,844	6,629	12,918
Saudi Arabia	12	16	-----	-----	130	-----	-----
Korea, South	-----	-----	-----	-----	-----	50	110
Other	-----	-----	-----	-----	-----	100	-----
Total	15,030	18,511	20,288	17,930	13,495	8,024	13,822
South America:							
British Guiana	-----	-----	-----	15	57	60	20
Colombia	31	20	-----	-----	-----	-----	18
Surinam	21	14	79	61	53	81	71
Venezuela	352	1,308	1,131	1,692	3,413	4,246	15,501
Others	-----	-----	-----	-----	22	117	350
Total	404	1,342	1,210	1,768	3,545	4,504	15,960
Africa	-----	-----	-----	-----	110	-----	-----
Oceania	-----	-----	40	30	4	-----	-----
World total	46,859	66,518	271,700	400,359	443,228	2/299,992	3/512,225

1/ Preliminary. 2/ Includes 220 tons whose destination is not indicated. Compiled from official records of the Bureau of the Census. 3/ Includes 100 tons whose destination is not indicated.

SOYBEANS: CRUSHINGS AND YIELDS OF OIL AND MEAL

Soybeans: Crushings and yields of oil and meal per bushel crushed by months crop years 1950-58

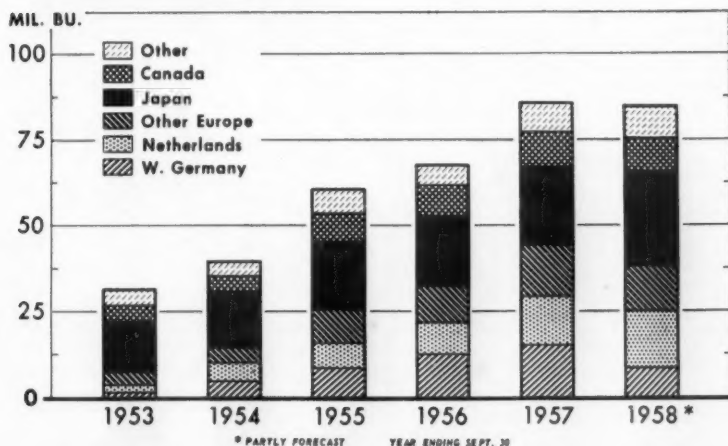
Year beginning	Crushings												Year
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
	Mil. bu.	Mil. bu.	Mil. bu.	Mil. bu.	Mil. bu.	Mil. bu.	Mil. bu.	Mil. bu.	Mil. bu.	Mil. bu.	Mil. bu.	Mil. bu.	Mil. bu.
1950	19.6	22.8	24.7	25.1	22.5	24.8	22.0	21.3	17.9	17.8	18.8	14.8	252.0
1951	21.6	23.1	23.2	24.0	22.5	21.5	20.1	19.7	18.6	17.5	15.0	15.0	244.4
1952	22.5	22.0	21.4	21.6	18.7	20.4	19.2	20.7	17.3	16.3	18.7	15.7	234.4
1953	21.3	20.3	20.8	20.8	18.9	19.3	17.6	17.5	15.4	15.4	14.8	11.1	213.2
1954	21.7	22.2	21.2	21.5	19.8	19.5	20.0	21.0	22.1	21.3	19.9	18.7	249.0
1955	25.4	25.4	23.9	24.4	24.5	25.4	25.3	24.6	22.2	20.4	21.8	19.9	283.1
1956	27.9	26.6	27.0	28.4	26.6	28.9	27.3	26.5	24.7	24.4	25.4	22.2	315.9
1957	28.1	29.2	28.4	31.1	27.1	30.8	31.5	32.2	28.7	30.0	31.6	25.1	353.8
1958 1/	33.5	33.5	34.4	36.7	34.0	36.0	34.6	36.4	33.2	31.9	29.6	27.5	401.2

	Yield of oil per bushel crushed												
	Lb.	Lb.	Lb.	Lb.	Lb.	Lb.	Lb.	Lb.	Lb.	Lb.	Lb.	Lb.	
1950	9.7	9.5	9.5	9.6	9.6	9.7	9.7	9.8	9.9	9.9	10.0	10.1	9.7
1951	10.0	9.8	9.6	9.7	9.9	10.1	10.1	10.1	10.2	10.2	10.2	10.1	10.0
1952	10.6	10.5	10.6	10.7	10.7	10.9	10.8	10.9	11.0	11.0	11.2	11.1	10.8
1953	10.8	10.8	10.9	11.0	11.1	11.1	11.0	11.0	11.1	11.3	11.2	11.2	11.0
1954	10.9	10.8	10.8	10.8	10.8	10.8	10.9	10.9	11.0	11.0	11.0	11.0	10.9
1955	11.0	10.9	11.0	11.0	11.1	11.1	11.1	11.1	11.2	11.2	11.4	11.1	11.1
1956	10.8	10.7	10.7	10.7	10.8	10.8	10.9	10.9	11.0	11.0	10.9	11.0	10.9
1957	10.9	10.7	10.6	10.6	10.7	10.7	10.7	10.8	10.8	10.9	10.8	10.8	10.7
1958 1/	10.5	10.5	10.4	10.5	10.5	10.6	10.6	10.6	10.7	10.8	10.8	10.8	10.6

	Yield of meal per bushel crushed												
	Lb.	Lb.	Lb.	Lb.	Lb.	Lb.	Lb.	Lb.	Lb.	Lb.	Lb.	Lb.	
1950	46.3	47.0	46.7	47.0	47.1	46.9	46.7	46.9	46.7	46.4	46.9	46.8	46.8
1951	46.4	46.5	46.7	46.9	46.8	45.9	46.4	46.5	46.7	46.8	47.7	46.9	46.7
1952	47.9	47.1	47.4	47.0	47.4	47.5	47.5	47.3	46.8	47.4	47.6	47.3	47.4
1953	47.5	47.5	47.6	47.4	46.5	47.4	47.7	47.5	47.2	47.9	47.9	46.3	47.4
1954	46.0	45.7	45.8	45.7	45.6	45.5	45.6	45.7	46.1	46.2	46.1	45.9	45.8
1955	45.7	46.0	45.4	43.6	45.9	46.1	46.2	46.4	46.5	46.6	47.1	46.2	46.0
1956	47.1	47.5	47.7	47.5	47.3	47.6	47.6	48.1	48.0	47.9	47.6	46.5	47.5
1957	46.4	46.7	46.7	46.7	46.4	46.6	46.9	47.1	46.6	47.7	46.8	47.2	46.8
1958 1/	46.9	47.1	47.5	47.6	47.1	47.5	47.2	47.1	47.5	47.7	48.1	47.1	47.4

1/ Preliminary. Agricultural Marketing Service.

Major Markets for U. S. Soybeans Since 1953



—Foreign Agricultural Service, USDA

COMPOSITION OF SOYBEAN SEEDS

Protein, oil, and weight in grams of 100 seeds.
Data on moisture-free basis are from composites
of seven or more locations, 1958 crop

Variety	Group number 1/	Protein %	Oil %	Seed weight grams
Acme	OO	40.7	18.4	15.9
Crest	OO	41.8	18.2	18.3
Flambeau	OO	42.0	17.2	14.7
Capital	O	40.1	18.8	12.2
Comet	O	39.6	18.6	16.2
Grant	O	40.1	19.0	15.8
Mandarin	O	42.0	18.5	18.6
Norchief	O	40.8	19.1	15.7
Blackhawk	I	41.6	20.0	16.3
Chippewa	I	42.2	20.1	14.8
Adams	II	40.2	20.9	15.0
Harosoy	II	41.1	20.8	17.8
Hawkeye	II	41.4	20.8	17.9
Lindarin	II	41.2	21.0	15.8
Ford	III	41.4	21.2	16.8
Lincoln	III	41.0	21.5	14.8
Shelby	III	41.0	21.4	16.3
Clark	IV	42.2	22.5	16.4
Perry	IV	42.7	22.4	16.4
Scott	IV	38.3	21.0	14.5
Wabash	IV	40.6	21.7	14.3
Dorman	V	40.2	21.1	13.2
Dortchsoy	V	39.4	21.5	11.6
S-100	V	42.2	19.0	13.3
Hood	VI	39.7	22.0	15.4
Ogden	VI	41.0	21.1	16.2
CNS-4	VII	44.8	18.4	13.0
Jackson	VII	39.4	22.3	15.6
Lee	VII	41.8	21.6	14.2
Bienville	VIII	41.9	21.5	15.5
Improved Pelican	VIII	41.3	20.7	12.3
J. E. W. 45	VIII	41.7	20.4	18.3
Yelnanda	VIII	45.6	20.0	17.9
Average		41.2	20.7	

1/ Group numbers indicate strains adapted to similar length of day and other location conditions. This table was compiled from Results of the Cooperative Uniform Soybean Tests 1958. Part I North Central States and Part II Southern States, March 1959. Crops Research Division, USDA, Urbana, Ill., in cooperation with the State Agricultural Experiment Station.

AMINO ACIDS OF SOY PROTEIN

(Calculated as grams of amino acids per 16 grams
of nitrogen)

	Whole soybean protein	Soybean protein fractions 2/			Heat coagu- late from whey 3/
		Protein soluble at pH 8.0	Acid precipi- tated proteins		
	1/	3/	4/		
Arginine	7.72	6.9	6.2	5.4	
Histidine	2.33	2.6	2.1	2.6	
Lysine	6.65	6.8	6.1	8.1	
Cystine	1.2	1.4	1.2	1.7	
Methionine	1.40		1.4	1.6	
Tyrosine	1.1	4.1	3.9	5.2	
Tryptophane	1.53	1.4	1.5	2.7	
Phenylalanine	5.08	5.6	5.4	6.4	
Leucine	7.98	8.2	9.1	10.5	
Isoleucine	5.31	5.3		6.6	
Valine	5.34	5.6	5.4	7.2	
Threonine	3.90	3.9	3.6	4.6	
Glycine	4.3	4.8	4.5	5.2	
Serine	4.2	6.0	5.7	5.0	
Alanine	5.0	4.1	3.9	5.2	
Proline	4.4	5.3	5.6	5.8	
Aspartic Acid	11.0	11.6	12.3	13.5	
Glutamic Acid	18.4	19.3	20.8	14.7	

1/ Essential amino acid in this assay from K. A. Kuiken and Carl Lyman, J. Biol. Chem. 177, 29-36 (1949). Average of 20 varieties—Biological Method. Nonessential amino acid from various sources. 2/ Taken from amino acid composition of soybean protein fractions by C. H. VanEtten, J. E. Hubbard, J. M. Mallan, A. K. Smith, Ag. and Food Chem. 7, 129-131 (1959). 3/ Amino acids in defatted soybean meal soluble at pH 8.0 accounts for about 95% of total protein. 4/ Amino acids in soybean protein precipitated from water-soluble fraction by HCl at pH 4.4. 5/ Amino acids coagulated in the soybean whey (filtrate from pH 4.4 precipitate) at about 75° C. The above data are reported on the basis of grams of amino acids per 16 grams of nitrogen. The approximate amino acid composition of soybean meal containing 7.05% nitrogen (44% soybean protein meal) is obtained by multiplying the amino acid values for the whole soybean protein by the factor 7.05/16 = 0.44. For 8.0% nitrogen (50% protein meal) the factor would be 8/16 = 0.5.

Protein, oil, seed weight, and hilum color of garden-type soybeans, dry basis 1/

Variety	Protein N X 6.25 %	Oil %	Weight 100 seeds grams	Hilum color
Bansei	36.4	21.6	21.2	Colorless to brown
Easycook	40.95	17.5	16.2	Dark brown
Emperor	42.2	19.9	29.7	Colorless to light brown
Fuji	39.6	21.4	25.9	Black
Funk Delicious	42.3	20.0	31.7	Light brown
Giant Green	39.3	22.4	29.4	Black
Higan	41.0	18.1	23.4	Brown
Hokkaido	40.4	20.8	31.9	Colorless to light brown
Illington	42.9	18.6	25.9	Colorless
Imperial	41.0	20.5	28.4	Colorless to light brown
Jogun	40.7	19.9	29.9	Colorless
Kanrich	41.1	19.0	27.3	Colorless
Kim	40.4	19.9	28.7	Black
Willomi	42.3	19.4	31.1	Light brown to brown
Average	40.7	19.9		

1/ Except for Kanrich, Kim, and Easycook, supplied by Dr. C. R. Weber, Iowa State University Agriculture and Mechanic Arts, data are from University of Illinois Bulletin 453, Edible Soybeans, by J. W. Lloyd and W. L. Burlison, 1939.

COMPOSITION OF LECITHIN

	%
Phosphatidyl choline (lecithin)	18
Phosphatidyl ethanolamine (cephalin).....	22
Phytoglycolipide	10
Inositol phosphatidic acids.....	8
Carbohydrate, free	10
Acetone-soluble material (Oil).....	32

An estimate based on information in the following articles: C. R. Scholfield et al., *J. Am. Oil Chemists' Soc.* 29, 293 (1952); H. E. Carter, et al., *J. Biol. Chem.* 233, 1309 (1958). Minor constituents such as sterols, tocopherols, pigments, and vitamins are not included in the above estimate. The qualitative and quantitative composition of soybean lecithin is not completely known and these estimates are subject to corrections as more data becomes available.

COMPOSITION OF SOYBEAN OIL

Fatty acid composition of soybean oil

Variety	Linolenic acid	Linoleic acid	Oleic acid	Saturated acids
Jackson 1/	7.52	52.2	20.4	19.8
Roanoke 1/	7.46	51.9	21.8	18.8
Lee 1/	6.73	49.5	26.6	17.3
Chief 2/	8.44	48.5	23.8	19.3
Clark 2/	8.18	51.0	21.9	18.9
Perry 2/	7.66	48.0	24.9	19.6
Wabash 2/	7.82	47.0	25.9	19.4
Clark 3/	8.04	51.4	21.3	19.3
Dunfield 3/	7.35	46.0	26.7	19.1
Illini 3/	8.29	48.9	24.0	18.8
Lincoln 3/	8.29	50.9	22.1	18.8
Ford 3/	7.25	48.0	25.4	19.3
Shelby 3/	8.01	50.3	22.0	19.8
Blackhawk 4/	8.19	47.0	24.8	20.0
Chippewa 4/	8.46	50.5	22.2	18.9
Grant 4/	8.53	49.2	23.0	19.5
Mandarin 4/ (Ottawa).....	8.37	45.9	26.4	19.3
Monroe 4/	9.35	47.5	23.3	19.9
Average	8.00	49.1	23.7	19.2

1/ Mean of 14 locations. 2/ Mean of 6 locations. 3/ Mean of 11 locations. 4/ Mean of 12 locations. Reference: F. I. Collins and V. E. Sedgwick. *J. Am. Oil Chemists' Soc.* 36, 641-644 (1959).



GUNTERSVILLE, ALABAMA: One of the most modern and efficient soybean processing plants in the world is shown at left in the above photo, as it neared completion early in 1960. Adjacent to the new soybean plant is one of the 13 feed manufacturing plants that provide prompt service to Wayne Feed Dealers in the Eastern two-thirds of the United States. The new Guntersville Soybean Processing plant will bring soybean products closer to the expanding southern feed market, and, with the huge Allied Mills Taylorville, Illinois, soybean plant, will help serve the entire feed industry. Facilities such as these provide Wayne Dealers and their custo-

mers with the feeds they want, when they need them.

In addition, every Wayne Feed is tested and proved under practical farm conditions at the Wayne Research Farm . . . then produced under exacting requirements to provide top performance in feedlots and poultry houses. That's why Wayne Feeds have "What it takes" to earn and hold satisfied customers.

If you provide service to, or operate poultry and livestock feeding facilities, you can depend on Wayne Feeds to help you do a better job. For complete information about Allied Mills products or opportunities, write: Allied Mills, Inc., 110 N. Wacker Drive, Chicago 6, Illinois.

OFFICIAL STANDARDS FOR SOYBEANS

REVISED EFFECTIVE
SEPT. 1, 1955

Sec.

26.601 Terms defined.

26.602 Principles governing application of standards.

26.603 Grades, grade requirements, and grade designations.

AUTHORITY: § 5 26.601 to 26.603 issued under sec. 8, 39 Stat. 485; 7 U. S. C. 84. Interpret or apply sec. 2, 39 Stat. 482, as amended; 7 U. S. C. 74.

§ 26.601 **Terms defined.** For the purposes of the official Grain Standards of the United States for soybeans:

(a) **Soybeans.** Soybeans shall be any grain which consists of 50% or more of whole or broken soybeans which will not pass readily through an 8/64 sieve and not more than 10% of other grains for which standards have been established under the United States Grain Standards Act.

(b) **Classes.** Soybeans shall be divided into the following five classes: Yellow soybeans, green soybeans, brown soybeans, black soybeans, and mixed soybeans.

(c) **Yellow soybeans.** Yellow soybeans shall be any soybeans which have yellow or green seedcoats, and which in cross section are yellow or have a yellow tinge, and may include not more than 10% of soybeans of other classes.

(d) **Green soybeans.** Green soybeans shall be any soybeans which have green seedcoats, and which in cross section are green, and may include not more than 10% of soybeans of other classes.

(e) **Brown soybeans.** Brown soybeans shall be any soybeans with brown seedcoats, and may include not more than 10% of soybeans of other classes.

(f) **Black soybeans.** Black soybeans shall be any soybeans with black seedcoats, and may include not more than 10% of soybeans of other classes.

(g) **Mixed soybeans.** Mixed soybeans shall be any mixture of soybeans which does not meet the requirements of the classes yellow soybeans, green soybeans, brown soybeans, or black soybeans. Bicolored soybeans shall be classified as mixed soybeans.

(h) **Grades.** Grades shall be the numerical grades, sample grade, and special grades provided for in § 26.603.

(i) **Bicolored soybeans.** Bicolored soybeans shall be soybeans with seedcoats of two colors, one of which is black or brown.

(j) **Splits.** Splits shall be pieces of soybeans that are not damaged.

(k) **Damaged kernels.** Damaged kernels shall be soybeans and pieces of soybeans which are heat-damaged, sprouted, frosted, badly ground-damaged, badly weather-damaged, moldy, diseased, or otherwise materially damaged.

(l) **Heat-damaged kernels.** Heat-damaged kernels shall be soybeans and pieces of soybeans which are materially discolored and damaged by heat.

(m) **Foreign material.** Foreign material shall be all matter, including soybeans and pieces of soybeans, which will pass readily through an 8/64 sieve and all matter other than soybeans remaining on such sieve after sieving.

(n) **Stones.** Stones shall be concreted earthy or mineral matter and other substances of similar hardness that do not disintegrate readily in water.

(o) **8/64 sieve.** An 8/64 sieve shall be a metal sieve 0.032 inch thick perforated with round holes 0.125 (8/64) inch in diameter with approximately 4,736 perforations per square foot.

§ 26.602 **Principles governing application of standards.** The following principles shall apply in the determination of the classes and grades of soybeans:

(a) **Basis of determination.** Each determination of class, splits, damaged kernels, and heat-damaged kernels, and of black, brown, and/or bicolored soybeans in yellow or green soybeans, shall be upon the basis of the grain when free from foreign material. All other determinations shall be upon the basis of the grain as a whole.

(b) **Percentages.** All percentages shall be upon the basis of weight. The percentage of splits shall be expressed in terms of whole percents. All other percentages shall be expressed in terms of whole and tenths percents.

(c) **Moisture.** Moisture shall be ascertained by the air-oven method prescribed by the United States Department of Agriculture, as described in

Grade	Minimum test bushel per bushel Pounds	Moisture %	Splits %	Maximum limits of			Brown, black, and/or bicolored soybeans in yellow or green soybeans %
				Damaged Total %	kernels Heat damaged %	Foreign material %	
1	56	13.0	10	2.0	0.2	1.0	1.0
2	54	14.0	20	3.0	0.5	2.0	2.0
3†	52	16.0	30	5.0	1.0	3.0	5.0
4‡	49	18.0	40	8.0	3.0	5.0	10.0

Sample grade: Sample grade shall be soybeans which do not meet the requirements for any of the grades from No. 1 to No. 4, inclusive; or which are musty, sour, or heating; or which have any commercially objectionable foreign odor; or which contain stones; or which are otherwise of distinctly low quality. † Soybeans which are purple mottled or stained shall be graded not higher than No. 3. ‡ Soybeans which are materially weathered shall be graded not higher than No. 4.

STANDARDS FOR SOYBEANS—(Continued)

Service and Regulatory Announcement No. 147, issued by the Agricultural Marketing Service, or ascertained by any method which gives equivalent results.

(d) **Test weight per bushel.** Test weight per bushel shall be the weight per Winchester bushel as determined by the method prescribed by the United States Department of Agriculture, as described in Circular No. 921 issued June 1953, or as determined by any method which gives equivalent results.

§ 26.603 **Grades, grade requirements, and grade designations.** The following grades, grade requirements, and grade designations are applicable under these standards:

(a) **Grades and grade requirements for soybeans** (see also paragraph (c) of this section).

(b) **Grade designation.** The grade designation for soybeans shall include in the order named the number of the grade or the words "Sample grade," as the case may be; the name of the class; and the name of each applicable special grade. In the case of mixed soybeans the grade designation shall also include, following the name of the

class, the approximate percentages of yellow, green, brown, black, and bicolored soybeans in the mixture.

(c) **Special grades, special grade requirements and special grade designation for soybeans—**

(i) **Garlicky soybeans—(i) Requirements.** Garlicky soybeans shall be soybeans which contain 5 or more garlic bulblets in 1,000 grams.

(ii) **Grade designation.** Garlicky soybeans shall be graded and designated according to the grade requirements of the standards applicable to such soybeans if they were not garlicky and there shall be added to and made a part of the grade designation the word "garlicky."

(i) **Weevily soybeans—(i) Requirements.** Weevily soybeans shall be soybeans which are infested with live weevils or other live insects injurious to stored grain.

(ii) **Grade designation.** Weevily soybeans shall be graded and designated according to the grade requirements of the standards applicable to such soybeans if they were not weevily, and there shall be added to and made a part of the grade designation the word "weevily."

SOY FLOUR STANDARDS

	Full-Fat Soy Flour	Low-Fat Soy Flour	Defatted Soy Flour
Protein (Nx6.25)*	40.0% Min.	45.0% Min.	50.0% Min.
Protein (Nx5.7)*	36.5% Min.	41.0% Min.	45.0% Min.
Fat (Ether Extract)*	18.0% Min.	4.5% Min. 9.0% Max.	2.0% Max.
Fibre*	3.0% Max.	3.3% Max.	3.5% Max.
Moisture	8.0% Max.	8.0% Max.	8.0% Max.
Ash*	5.5% Max.	6.5% Max.	6.5% Max.

Screen—97% through No. 100 U. S. Standard Screen for each of the above. *Moisture free basis. Approved and adopted by the Soya Food Research Council.

DEFINITION

The products shall be processed from high quality, sound, clean, dehulled yellow soybeans as defined in the United States Grain Standards Act. The soybeans shall be subjected to a thorough initial cleaning operation that shall substantially remove all foreign material. Disagreeable flavors and odors shall be removed

by subjecting the soy material to adequate processing.

Soy flour shall be prepared and packaged under modern sanitary conditions.

The soy flour shall be free from burnt, musty, rancid or other undesirable flavors or odors; free from burnt, scorched, or grayish color; and free from insects, insect webbing, dirt or other extraneous matter.

DENSITIES

Apparent densities of soybean products (lbs. per cu. ft.)

Cracked soybeans before conditioning	25-28
Cracked soybeans after conditioning	30-34
*Ground soybeans	25-34
*Soybean millfeed	25-27
*Soybean hulls, unground	6-7
*Soybean hulls, ground	20
*Expeller soybean oil meal	36-40
*Sol. ext. soybean oil meal, 41%	34-36
*Sol. ext. soybean oil meal, 44%	35-38

*Sol. ext. soybean oil meal, 50%	41-42
Soybeans, whole	46-48
Soybean millfeed pellets	37-38
Flakes before extraction	24.1
Flakes after extraction	21.5-21.8
Meal after toasting	30-35
Soy flour	30-36
Soy puffs	19-21
Soy grits	43

*Items listed by the Association of Feed Control Officials. From Paul O. Berg, professional engineer, and in part reprinted from Feedstuffs.

Best Adapted

Counties and recommended varieties shown on the map:

- Northwestern Iowa:** Crest, Flambeau, Norchief, Ottawa Mandarin, Grant, Early Manchus, Capital.
- Central Iowa:** Acme, Flambeau, Merit, Norchief, Ottawa Mandarin, Comet, Grant, Capital, Chippewa, Harosoy, Blackhawk, Lindarin, Harosoy, Hawkeye, Ford, Lincoln, Adams, Harosoy, Hawkeye, Adams, Ford, Lincoln, Clark, Clark, Wabash, Perry, Clark, Dorman, Ogden, Hood, Lee.
- Eastern Iowa:** Flambeau, Norchief, Chippewa, Blackhawk, Chippewa, Harosoy, Lindarin, Hawkeye, Adams, Shelby, Clark, Hill, Dorman, Hood, Ogden, Lee, Dorman, Hill, Hood, Lee, Dortchsey 87, Lee, Hill, Hood, Lee, Dorman, Lee, Jackson, Lee, Bienville, Improved Pelican, Jackson.

Latitude: 41° 30' N

Scale: 0 100

Latest recommendations of agronomists in soybean growing states. Do not plant varieties north or south of recommended latitudes.

Latest recommendations of agronomists in soybean growing states. Do not plant varieties north or south of recommended latitudes.

Varieties



PROCESSORS OF SOYBEANS

Officers of firms are listed as follows: (1) president; (2) vice president; (3) secretary; (4) treasurer; (5) head soybean buyer; (6) oil sales manager; (7) plant superintendent; (8) meal sales manager; (9) plant manager. Brand names are in quotation marks. Type of processing equipment, tons per day, processing capacity, total storage capacity, phone numbers, and railroads serving the individual plant are listed. Information was obtained through questionnaires sent directly to processing companies. These listings are as complete as it was possible to assemble. They contain all available information but the publishers of the Soybean Blue Book will not be responsible for any omissions which may have been unavoidably made. Established policy of some firms makes unavailable more complete information than is carried in this directory.

ALABAMA

Dothan—DOTHAN OIL MILL CO., P. O. Drawer 458. Ph. LD 1, 28800, 30900, 39840. (1) J. B. Roberts; (2) W. T. Street; (2, 6, 8) R. B. Bryson; (3, 4) C. H. Chapman, Jr.; (7) E. L. Dillard. 2 screw pr., Anderson Exsolco process, hexane solv., cap. 90 t. Storage cap. 4,000 t. Served by ACL, CG, A&SA RR.

Foley—BALDWIN OIL MILLS, INC. Ph. 8901. Affiliate of Sessions Co. (1) H. M. Sessions; (2, 5, 6, 8, 9) E. E. Purvis; (3, 4) Paul Kaiser, Jr.; (7) Harold Adcock. Hexane solv., cap. 80 t. Storage cap. 225,000 bu. "Baldwin Oil Mills" soybean oil meal. Served by L&N RR.

Montgomery 1—BUCKEYE CELLULOSE CORP. Dist. mgr., J. M. Sewell; (7) P. W. Anderson.

ARIZONA

Gilbert—VEGETABLE OIL PRODUCTS CO., INC., cottonseed oil mill div. Ph. Alpine 2-5574. (2,5,9) C. A. Piercey; (7) M. H. Connley. 5 exp., cap. 50 t. Storage cap. 60,000 bu. "Sun Ripe" soybean oil meal and pellets. Soybean operations 3,000 t. annually. Served by SP RR.

ARKANSAS

Fort Smith—FORT SMITH COTTON OIL CO., INC., 723 N. 1st St., P. O. Box 819. Ph. SU 2-0351. (1) W. H. Lillard; (2, 6, 9) M. E. Vaughan; (5) Mrs. Bess Hamill; (7) W. A. Pugh; (8) George King; asst. supt., Harold Allen. 6 exp. On MOP and SL&F RR sidings.

Little Rock—BUCKEYE CELLULOSE CORP. Dist. mgr., F. H. Jarrell; (7) J. M. Johnson.

Little Rock—ROSE CITY COTTON OIL MILL CO., P. O. Box 950. Ph. WI 5-2361. Office, 4119 E. Broadway, North Little Rock. (1) A. B. Cobb; (2) W. G. Alexander; (3) W. F. Bates; (4) W. M. Bruce, Jr. 4 Fr. screw pr., cap. 90 t. Storage cap. 150,000 bu. "Sure Shot" soybean oil meal. Served by CB, RI RR.

Little Rock—SOUTHERN COTTON OIL DIV., Wesson Oil & Snowdrift Co., Inc. Ph. Franklin 2-0277. Main office New Orleans. (7) R. R. Castillow; (9) J. R. Laughlin. 6 exp. "Sco-Co" soybean oil meal. Served by MP RR.

Newport—SOUTHERN COTTON OIL DIV., Wesson Oil & Snowdrift Co., Inc. Ph. 872; LD 5. Main office New Orleans. (7) N. L. Pugh, Jr.; (9) J. H. Jeffery. 6 Anderson exp. and French hexane solv. Served by MP RR.

Osceola—OSCEOLA PRODUCTS CO. (1) D. S. Laney; (2) C. F. Tompkins; (3, 4) gen. mgr., F. H. Ferrell; asst., W. O. Frazier; (7) R. L. Loggins. Allis-Chalmers hexane solv., cap. 125 t. Storage

cap. 800,000 bu. "Osceola" soybean oil meal and pellets. Served by SL&F RR.

Stuttgart—ARKANSAS GRAIN CORP., 120 N. Grand Ave., P. O. Box 47. Ph. WAbash 2-1110. (1) H. K. Smith, Jr.; (2) A. H. Westerman; (3, 4) A. F. Knoll; (5, 6, 8, 9) W. F. Carle; (7) Fritz Bloomberg; gen. mgr., L. C. Carter; gen. sales mgr., C. C. Smith. Solv., cap. 800 t. Storage cap. 7,756,841 bu. with affiliates at Corning, Des Arc, Dumas, Fair Oaks, Hazen, Hickory Ridge, Jonesboro, Lonoke, McGehee, Stuttgart, Tuckerman, Wheatley and Weiner. 44% and 50% soybean oil meal. Served by SSW and RI RR.

Van Buren—COOPERATIVE PROCESSING ASSN., P. O. Box 128. Ph. Granite 4-6871. Affiliate of Consumers Cooperative Assn., Kansas City, Mo. (1) Howard A. Cowden; (2) Bruce H. McCully; (3) Homer Young; (4) Glenn Fox; (5, 6) Raymond Robus; (7) Benny H. Franks; (8) Jim Farrell; office mgr., I. L. Quarles. Solv., cap. 200 t. Storage cap. 600,000 bu. "Coop" 44% and 50% soybean oil meal and 44% pellets. Served by MP and SL&F RR.

West Memphis—WEST MEMPHIS COTTON OIL MILL, P. O. Box 577. Ph. RE-53360. Affiliate of Perkins Oil Co., 727 Beale St., Memphis, Tenn. (1) T. C. Lee; (2) I. J. Lichterman; (3, 4) W. A. Loewenberg; (7) C. H. Caldwell; (8) H. D. Tobias; (9) H. H. Riggan. 4 screw pr., cap. 120 t. Storage cap. 750,000 bu. "Goldenrod" soybean oil meal. Served by SL&F, MP, RI RR.

Wilson—DELTA PRODUCTS CO., P. O. Box 218. Ph. 3761-71. (1) R. E. L. Wilson III; (2) John E. Crain; (3, 4) H. F. Ohlendorf; (5, 6, 8, 9) Ralph Woodruff; (7) J. L. Tennent, Jr.; asst. secy.-treas., Clarence Medlin. Allis-Chalmers hexane solv., cap. 150 t. Storage cap., 600,000 bu. at Evadale. "Delpro" soybean oil meal. Soybean operations 15%. Served by DV&S RR.

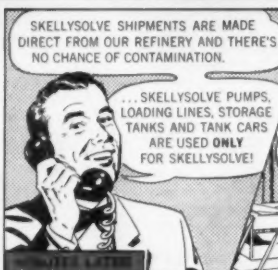
Wilson—WILSON SOYA CO. Phone 2921, 2481. (1) R. E. L. Wilson III; (3, 4) Hudson Wren; (5, 6, 8, 9) R. A. Pratt; (7) C. W. Bilbe. Hexane solv., cap. 100 t. Storage cap. 1,000,000 bu. "Wil-Soy" soybean oil meal and pellets. Served by SL&F RR.

CALIFORNIA

Los Angeles 58—CALIFORNIA COTTON OIL CORP., 2301 E. 52nd St. Ph. LU-36381. (1) W. B. Coberly, Jr.; (2) Leonard E. Read, Jr.; (2, 3, 5, 6) Wiley Blair, 3rd; (7) H. F. Crossno; (8) W. W. Kelley. 12 screw pr., cap. 240 t. Storage cap. 500,000 bu. "Calico" soybean oil meal; pellets. Sporadic soybean operations. Served by SP RR.

Norwalk—LIBERTY VEGETABLE OIL CO., P. O. Box 125. Ph. Logan 5-3001 Los Angeles. Subsidiary of Iowa Milling Co., Cedar Rapids, Iowa. (1, 5, 6, 8, 9) I. D. Sinaiko; (2) Joe Sinaiko; (3) Samuel Maslon; (4) Wm. Sinaiko. 4 screw pr., cap. 85 t. Storage cap. 175,000 bu. "Liberty" soybean oil meal. Served by SP RR.

Oakland—ALBERS MILLING CO., 2700 7th St. Ph. Templebar 2-4750. Office 5045 Wilshire Blvd., Los Angeles 36. Subsidiary of Carnation Co. (1) F. W. Hoover; (2) F. A. Albers; (2) G. A. Ensminger; (2, 5) G. H. Forney; (3) Wm. Stinehart; (4) H. E. Olson; (8, 9) J. R. Faulconer. 6 exp., cap. 110 t. Storage cap. 200,000 bu. "Albers" soybean oil meal, "Albers Quality Controlled" mixed feeds and pellets. Served by AT&SF, SP, WP RR.



Many companies in your industry depend on Skellysolve for exacting quality, prompt shipment, and uncontaminated products. For complete facts contact us at LOgan 1-3575, Kansas City, Mo.

Skellysolve for Animal and Vegetable Oil Extraction

APPLICATIONS

SKELLYSOLVE-B. Making edible oils and meals from soybeans, corn germ, flaxseed, peanuts, cottonseed and the like. Closed cup flash point about 23° F.

SKELLYSOLVE-C. Making both edible and inedible oils and meals, particularly where lower volatility than that of Skellysolve-B is desired because of warm condenser water. Closed cup flash point about 13° F.

SKELLYSOLVE-F. Extracting cottonseed, soybean meals and other products in laboratory analytical work. Originally made to conform to A.O.C.S. specifications for petroleum ether, and pharmaceutical extractions, where finest quality solvent is desired. Closed cup flash point about -30° F.

SKELLYSOLVE-M. Making edible and inedible oils and meals where greater volatility is desired than that of Skellysolve-C or F. Closed cup flash point about -16° F.

SKELLYSOLVE-L. For degreasing meat scraps, extracting oil-saturated fuller's earth or other general extraction. Closed cup flash point about 13° F.

Ask about our Skelly Petroleum Insoluble Grease.



Skellysolve

SKELLY OIL COMPANY
TULSA, OKLAHOMA
Industrial Division:
605 West 47th Street, Kansas City 41, Mo.

PROCESSORS—(Continued)

Richmond 4—PACIFIC VEGETABLE OIL CORP., 1145 S. 10th St. Ph. LA-44727. Main office, San Francisco. (6) R. W. Hammond; (9) E. W. Ferguson. 6 exp., cap. 150 t.; hexane solv., cap. 120/160 t. Storage cap. 126,000 bu. "PVO" soybean oil meal. Served by SP, ATSF RR.

San Francisco 7—PACIFIC VEGETABLE OIL CORP., 62 Townsend St. Ph. Douglas 2-0990. Plant at 1145 S. 10th St., Richmond. Board chm., B. T. Rocca, Sr.; (1) B. T. Rocca, Jr.; asst. vice pres. mfg., E. A. Hill; (3) Jos. R. Smith; (4) Dudley F. Miller; (5) 8) James C. Taylor; (6) Richard W. Hammond. Storage cap. 368,000 bu.

Wilmington—VEGETABLE OIL PRODUCTS CO., INC., 401 Canal Ave. Ph. Terminal 4-7224; Los Angeles, SPruce 5-2431. (1) R. J. Roesling; (2, 5, 6, 8) S. T. Pattison; (2, 5, 6, 9) W. L. Dickinson; (3, 4) W. L. Meyers; (6) D. Dangler; (7) L. D. Stewart. 16 exp., cap. 50 t. Storage cap. 60,000 bu. "Sun Ripe" soybean oil meal and pellets. Soybean operations 3,000 t. annually. Served by SP, UP, ATSF, HB RR.

DELAWARE

Millsboro—TOWNSEND'S INC. Ph. 2771. (1) Sen. John G. Townsend, Jr.; (2, 3, 4) Preston C. Townsend; (5, 6, 8, 9) J. D. Phillips; (7) W. W. Ulrich. Hexane solv., cap. 160 t. Storage cap. 250,000 bu. "Townsend's Inc." soybean oil meal, mixed feeds and pellets.

FLORIDA

Brookier—SOUTHERN OIL & CHEMICAL CO., INC., P. O. Box 6. Ph. 2101. Home office 125 Broad St., New York, N. Y. (1, 6) G. A. Wharry; (2, 5, 8, 9) E. Kleinman; (3, 4) Jerry Kleinman. 3 screw pr., cap. 65 t. Storage cap. 60,000 bu. "Southsoy" soybean oil meal. Served by SAL RR.

Pensacola—SOUTHERN COTTON OIL DIV., Weston Oil & Snowdrift Co. Inc. Ph. 2114; LD 3. Main office New Orleans. (7) C. E. Dutton; (9) J. T. Murphy. 5 screw pr., cap. 100 t. "Sco-Co" soybean oil meal. Served by L&N, SLSF RR.

GEORGIA

Augusta—BUCKEYE CELLULOSE CORP. Dist. mgrs., H. M. Henry; (7) H. W. Gilbert.

Savannah—SOUTHERN COTTON OIL DIV., Wesson Oil & Snowdrift Co. Inc. Old Augusta Rd., P. O. Box 689. Ph. ADams 2-7109. Main office New Orleans. (7) J. R. Woolsey; (9) J. R. Howe. 3 exp. "Sco-Co" soybean oil meal. Served by CG RR.

Thomasville—FARMERS OIL MILL CO., INC. P. O. Box 860. Ph. Canal 6-4872. (1) F. H. Searcy; (3, 4) M. A. Froberg; (7) A. J. Cannon. 2 screw pr., cap. 40 t. Storage cap. 166,000 bu. "Farmpro" soybean oil meal. Served by ACL RR.

ILLINOIS

Alhambra—ALHAMBRA GRAIN & FEED CO. Ph. HU-82265. Branch at Marine, Ill. (1) Wilbur F. Federer; (2) Joseph A. Long; (3) Clarence J. Ludwig; (4, 5, 6, 8) Elmer H. Ruehrup; (7, 9) Paul Bauer. 2 exp., cap. 40 t. Storage cap. 210,000 bu. at Alhambra and Marine. "AGGF" soybean oil meal. Served by IC RR.

Bloomington—FUNK BROS. SEED CO., 1300 W. Washington St. (1) E. D. Funk, Jr.; (5, 6, 8) A. M. Convis; (7) D. D. Walker; (9) H. A. Abbott (consultant). Hexane solv., cap. 200 t. "Funk's" 44% solvent extracted soybean oil meal.

Bloomington—RALSTON PURINA CO. Ph. 5-2231. Main office St. Louis. (5) J. W. Forsen; (7) C. C. Huber; (9) N. B. Morey. Hexane solv., cap. 300 t. Storage cap. 2,000,000 bu. "Purina Chows" mixed feeds. Served by GM&O, IC, ITC, NKP RR.

Champaign—SWIFT & CO. Main office Chicago. (5, 9) H. S. Byrd; (7) C. W. Faulkner; (8) E. B. Tomlin. "Swifts" soybean oil meal.

Chicago—ALLIED MILLS, INC., 110 N. Wacker Drive. Plant at Taylorville, Ill. (1) E. W. Lenz; (2) F. H. Blough; (3) L. M. Bolitho; (4) R. R. Carlson; (5, 6, 8) H. T. Lyon. "Wayne" soybean oil meal, mixed feeds and pellets.

Chicago—BORDEN'S SOY PROCESSING CO., 2404 Board of Trade Bldg. Div. of Borden Co., New York. Soya processing plants at Waterloo, Iowa, and Kankakee, Ill. (2, 5, 6, 8) J. R. Pentis.

Chicago—CARGILL INC., 122nd St. and Torrence Ave. Ph. ES-57255. Main office Minneapolis. (7) Frederick A. Brosius; (9) R. L. Cournoyer. Hexane solv. "Cargill" soybean oil meal. Served by CNW RR.

Chicago—CENTRAL SOYA CO., INC. Offices 3718 Board of Trade Bldg.; and 300 Fort Wayne Bank Bldg., Fort Wayne. Central Thrifty-Fifty, Fish 'n Fifty and Forty-Four soybean oil meal, "Central" lecithin, "Central" soybean oil products, "Master Mix" concentrates and complete feeds.

Chicago—CENTRAL SOYA CO., INC., chemurgy div., 1825 N. Laramie. Main office Fort Wayne. (7) Edward T. Wilhelm. Solv., cap. 400 t. Storage cap. 3,000,000 bu. Industrial and edible soya products and derivatives.

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PROCESSORS—(Continued)

Chicago—**SWIFT & CO.**, Union Stock Yards. Plants at Champaign, Ill.; Des Moines, Iowa; Frankfort, Ind.; Fostoria, Ohio; Memphis, Tenn. (1) P. M. Jarvis; (2) C. T. Prindeville; (3) A. H. Fritschel; (4) A. L. Bruckner; (5, 6) Scott E. Cramer. "Swifts" soybean oil meal.

Danville—**LAUHOFF SOYA CO.** Ph. Hickory 6-4770. Subsidiary of Lauhoff Grain Co. (1) Ralph G. Golseth; (3) J. J. Young; (4) John D. Wilkinson. Hexane solv.

Decatur—**ARCHER-DANIELS-MIDLAND CO.**, P. O. Box 1030. Ph. 5183. Main office Minneapolis. (9) R. S. White. Hexane solv. "Archer" 44% and 50% soybean oil meal; "Archer" pellets; defatted, low-fat soy flour; "Archer C & S" soybean cooking and salad oil. Served by IC, ITC RR.

Decatur—**RALSTON PURINA CO.**, Citizens Bank Bldg. Ph. 8-2161. Main office, St. Louis. (5) Hilaire Haecker; (7) Ira Abbott; (9) R. E. Baer. Hexane solv., cap. 250 t. Storage cap. 1,000,000 bu. Served by IC, WAB, ITC, NYC RR.

Decatur—**SPENCER KELLOGG AND SONS, INC.** Main office, Buffalo 5, N. Y. Mgr. soya flour dept., H. A. Olendorf; (7) John DeLane. Hexane solv., 44% and 50% protein soybean oil meal; "Soyflake," "Special X," "Meatone Grits," "Kel-Sovsoy" soy flours. Served by ITC, WAB RR.

Decatur—**A. E. STALEY MFG. CO.**, 22nd and Eldorado Sts. Ph. 3-4411. Also plant at Painesville. (1) E. K. Scheiter; (4) W. R. Boyer; (5) K. J. Maltas; (6) crude, J. W. Moore; (6) refined, D. F. Rentshler; (7) W. H. Walmsley; (8) E. C. Lane; mgr. soybean div., E. E. Rhodes; gen. supt., W. B. Bishop. Hexane solv. "Staley's" soybean oil meal

44% protein, "Hi-Pro-Con" 50% protein soybean oil meal, "Staley's" soybean mill feed, mixed feeds and extracted soy flour and grits. Served by WAB, IC, B&O, ITC, PRR.

Galesburg—**GALESBURG SOY PRODUCTS CO.**, 1021 S. Henderson St. Ph. DI 3-1155. (1, 6, 9) Max Albert; (2) Betty V. Uretz; asst. vice pres., Eleanor N. Simon, Regi D. Simon, Lois H. Shaffer; (3, 4) Anna S. Albert; (5) E. E. Fletcher; (7) Eldon L. Wiley; (8) James B. Strong. Hexane solv., cap. 350 t. Storage cap. 400,000 bu. "Triple Value" 44% protein soybean oil meal. Served by CB&Q, ATSF RR.

Gibson City—**CENTRAL SOYA CO., INC.** Main office Fort Wayne. (9) George R. Walter. Solv., cap. 600 t. Storage cap. 6,500,000 bu. Central Thrifty-Fifty, Fish 'n Fifty and Forty-Four soybean oil meal, "Centrol" lecithin, "Centrol" soybean oil products, "Master Mix" concentrates and complete feeds.

Kankakee—**BORDEN'S SOY PROCESSING CO.**, div. of Borden Co., New York. Also soya processing plant at Waterloo, Iowa. (1) R. J. Kunz (N. Y.); (2, 5, 6, 8) J. R. Pentis (Chicago); (7) Harry Merriman; (9) G. W. Harris; gen. mgr. soy and feed supplements, E. J. Brubaker (N. Y.). Hexane solv., cap. 225 t. Storage cap. 1,350,000 bu. "Borden's" 44% and 50% soybean oil meal. Served by NYC, IC RR.

Monmouth—**RALPH WELLS & CO.**, 530 S. 3rd St. Plant 600 S. 3rd. (1) Ralph Wells; (2, 5) Willis H. Wells; (3, 9) Adrian R. Wells; (4) Norman Wells; (6, 8) Myron Mangram; (7) Ralph Farrington. 2 exp., cap. 25-27 t. Storage cap., Monmouth, 270,000 bu.; Cameron, 80,000 bu.; Gerlaw, 10,000 bu. "Wells Pure Old Process" soybean oil meal and "Boxer Brand" soy cake-lets. Served by CB&Q, M&St.L. RR.

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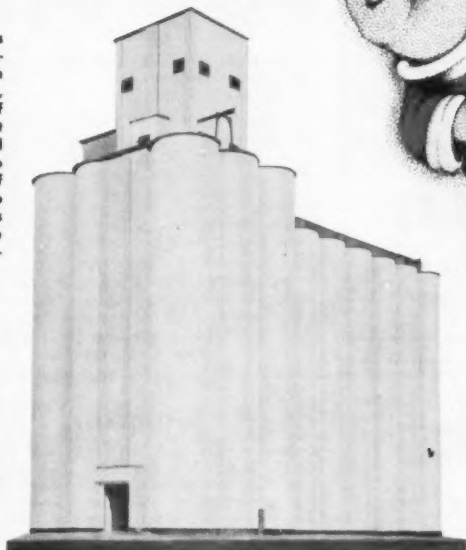
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and
SOYBEAN PELLETS

PROCESSORS—(Continued)

Quincy — QUINCY SOYBEAN PRODUCTS CO., 1900 S. Front St. Ph. Baldwin 3-1662. (1) Irving J. Rosen; (2) Norman L. Rosen; (3) Edward I. Rothschild; (4) Arnold H. Rosen; (5) Clinton Riley and John Troth; (6, 8) Theodore W. Bean; (7) Carl Strothoff; (9) Harry Jackson, Jr. French hexane solv., cap. 750 t.; Blaw-Knox Rotocel, cap. 1,200 t. Storage cap. 2,200,000 bu. "Purity" 50% soybean oil meal and pellets. Served by CB&Q, WAB RR, and Mississippi River.

Springfield — ILLINOIS SOY PRODUCTS CO., P. O. Box 53. Ph. 2-3391. Plant, E. Sangamon Ave. Subsidiary of Iowa Milling Co., Cedar Rapids, Iowa. (1, 4) Joe Sinaiko; (2) I. D. Sinaiko; (3) Samuel H. Maslon; (5, 6, 8, 9) Eric Nadel; (7) D. D. Crites. 8 screw pr., cap. 150 t. Storage cap. 200,000 bu. "Capital" soybean oil meal. Served by WAB RR.

Taylorville — ALLIED MILLS, INC. Main office, 110 N. Wacker Drive, Chicago. (9) J. B. DeHaven, Jr.

Vermont — BADER SOY PRODUCTS CO. Ph. Stillwell 4-3371. Subsidiary of Bader & Co. (1, 6, 8) B. B. Bader; (2) H. F. Chick; (3, 4, 5) W. F. Bader; (7, 9) Merle Waller. Hexane solv., cap. 90 t. Storage cap. 600,000 bu. at Vermont, Astoria, Rushville, Adair, Prairie City, Walnut Grove, Swan Creek. "Bader's 44% soybean oil meal, mixed feeds and pellets. Served by CB&Q RR.

Virden — PRAIRIE MILLS, INC. Ph. 5226. (1) Frank W. Young; (2 and gen. mgr.) Charles C. Jones; (3, 4) John M. Drennan; (5, 9) John Curran; (6, 8) Everett Brubaker; (7) Lloyd Sanson. 2 exp., cap. 35 t. Storage cap. 225,000 bu. "Prairie Mills Old Process" soybean oil meal. Served by GM&O RR.

INDIANA

Angola — ANGOLA SOYA CO., 424 N. Williams St., P. O. Box 358. Ph. 523-X. Partnership, Reginald Hale and Alfred Hale. Hexane solv., cap. 5 t. Storage cap. 1,400 bu. Soybean oil meal. Extractions of various specialty items. Served by NYC RR.

Decatur — CENTRAL SOYA CO., INC. Main office Fort Wayne. (9) T. H. Allwein. Solv., cap. 1,400 t. Storage cap. 14,000,000 bu. Central Thrifty-Fifty, Fish 'n Fifty and Forty-Four soybean oil meal, "Central" lecithin, "Central" soybean oil products, "Master Mix" concentrates and complete feeds.

Fort Wayne — CENTRAL SOYA CO., INC., 300 Fort Wayne Bank Bldg. Plants at Decatur; Gibson City, Ill.; Marion, Ohio; Chattanooga, Tenn. Chm. of board, Harold W. McMillen; (1) D. W. McMillen, Jr.; (2) R. B. Parrott; (2) Geo. D. MacLean; (2) Norman F. Kruse; (2) Paul E. Hensel; (2) Jake L. Krider; (2) W. E. Hulse; (2) Richard O. Westley; (2, 8) B. A. Townsend; (3, 4) Edward T. Schele; asst. to the president, John L. Andreas; asst. secy. and controller, Richard N. Allen; asst. secy., Donald O. Cuthbert. Processor of soybeans and manufacturer of "Master Mix" poultry and livestock concentrates and complete feeds. Central Thrifty-Fifty, Fish 'n Fifty and Forty-Four soybean oil meal, "Central" lecithin. "Central" soybean oil and soybean oil products.

Frankfort — SWIFT & CO. Main office Chicago. (5, 9) H. B. Parker; (7) H. S. Chittick; (8) T. J. Nolan. "Swift's" soybean oil meal.

PROCESSORS—(Continued)

Indianapolis—CENTRAL SOYA CO., INC., chemistry div., 1160 W. 18th St. Main office Fort Wayne. (7) Clayton I. Vogt. Solv., cap. 650 t. Storage cap. 3,000,000 bu. Industrial and edible soya products and derivatives.

Lafayette—RALSTON PURINA CO. Ph. 2-8421. Main office St. Louis. (5) George Bischoff; (7) John Quinlin; (9) J. F. Tully. Hexane solv., cap. 325 t. Storage cap. 1,300,000 bu. "Purina Chows" mixed feeds. Served by WAB, NKP RR.

IOWA

Belmond—GENERAL MILLS, INC., oilseeds div. Ph. 231. Main office Minneapolis. (5, 8) H. C. Stakke; (7) W. B. Hatvet. Storage cap. 1,500,000 bu. "General Mills" 44% protein extracted soybean oil meal and 50% protein dehulled soybean oil meal.

Cedar Rapids—CARGILL, INC., 1010 10th Ave. S.W. Ph. Empire 4-6148. Main office Minneapolis. (7) Wayne D. Rorman; (9) C. W. Bohlander. Hexane solv. "Cargill" soybean oil meal. Served by CR, IC RR.

Cedar Rapids—IOWA MILLING CO., 411 6th St. NE. Ph. 4-1503. (1, 4) Joe Sinaiko; (2) Wm. Sinaiko; (3) I. D. Sinaiko; (3) Samuel Maslon; (5, 6, 8, 9) H. R. Scroggs; (7) L. Turner. Hexane solv., cap. 500 t. Storage cap. 600,000 bu. at plant. "Hy-grade" soybean oil meal. Served by MILW RR.

Clinton—THE PILLSBURY CO. Headquarters feed and soy div. Ph. Chapel 2-2110. General office, Minneapolis. (1) Paul Gerot; (2) Dean McNeal; (3) P. F. Sherman; (4) T. Hanold; (5) Earl Nielsen; (6, 8) D. B. Long; (7) A. Ducharme;

(9) R. L. Koll. Hexane solv., cap. 250 t. Storage cap. 1,000,000 bu. "Pillsbury's Best" soybean oil meal, mixed feeds and pellets. Served by CB&Q, MILW, CNW, RI RR.

Des Moines—SPENCER KELLOGG AND SONS, INC. Main office, Buffalo 5, N. Y. (7) J. W. Pooley. Hexane solv. 44% protein soybean oil meal; pellets. Served by DMU RR.

Des Moines—SWIFT & CO., Box 38, Highland Park Station. Main office Chicago. (5, 9) C. D. Whitaker; (7) G. G. Scott; (8) J. H. Bramfeld. "Swift's" soybean oil meal.

Dike—FARMERS COOPERATIVE CO. Ph. Sunset 9-2416. (1) J. Halger Jensen; (2) Glen Erickson; (3, 4) Albert Lauterbach; (5, 6, 8) C. M. Gregory; (7) Gerald Bruns; office mgr., Richard Goetzinger. 3 screw pr., cap. 45 t. Storage cap. 810,000 bu. "Dike Old Process" soybean oil meal; mixed feeds and pellets. Served by CNW RR.

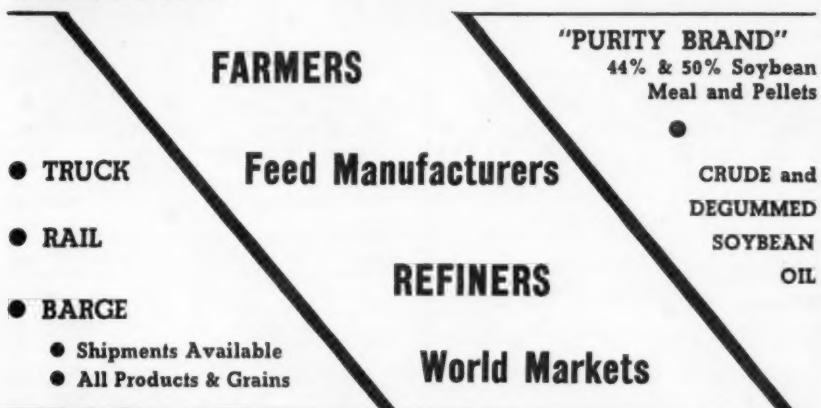
Eagle Grove—BOONE VALLEY CO-OP PROCESSING ASSN. Ph. 200, 201, 202. (1) Ralph Olsen; (2) Harry Bernard; (3, 4) Floyd Crim; (5) Maurice Sturtz; (6, 8, 9) Keith M. Voigt; (7) Chas. G. Loux; asst. mgr., Donald Laurent. Hexane solv., cap. 260 t. Storage cap. 140,000 bu. "Co-op" soybean oil meal and mixed feeds. Served by CNW, CGW RR.

Fort Dodge—CARGILL, INC., 5 Central Ave. Ph. 7-1861. Main office Minneapolis. (7) C. R. Brooks; (9) W. J. Wheeler. Hexane solv. "Cargill" soybean oil meal and pellets. Served by IC, MGStL, CGW, FDDM RR.

Gladbrook—CENTRAL IOWA BEAN MILL. Ph. 63. (1, 3, 5, 6, 7, 8, 9) Paul H. Klinefelter; (2, 4) Florence M. Klinefelter. 3 screw pr., cap. 50 t. Storage cap. 450,000 bu. "Soya, Chief of the Feeds" soybean oil meal. Served by CNW, CGW RR.

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PROCESSORS—(Continued)

Iowa Falls—RALSTON PURINA CO. Ph. 2591. Main office St. Louis. (5) Jerry Bumgardner; (7) Robert Harrington; (9) A. V. Couch. Hexane solv., cap. 300 t. Storage cap. 1,360,000 bu. "Purina Chows" mixed feeds. Served by RI, IC, CNW RR.

Marshalltown—MARSHALL MILLS, INC., 201 Washington St., P. O. Box 261. Ph. 9005. (1, 9) Fred Johnson; (2, 7) J. B. Saccaro; (3, 5, 6, 8) J. I. Johnson; (4) Vernon N. Johnson. 3 screw pr., cap. 70 t. Storage cap. 290,000 bu. 41% soybean oil meal. Served by M&StL, CNW, CGW RR.

Mason City—NORTH IOWA COOPERATIVE PROCESSING ASSN., 1605 19th St. SW. (1) Earl M. Dean; (2) R. T. Nelson; (3, 4) A. K. Carstens; (5, 8) H. D. Rissler, Jr.; (6, 9) Glenn Pogeler; (7) Harold Tietjens. Hexane solv., cap. 280 t. Storage cap. 1,050,000 bu. "Felco" soybean oil meal. Served by CGW, M&StL, RI, MILW, CNW, MC&CL RR.

Muscatine—McKEE FEED & GRAIN CO., 116 Spring St. Plant, Front and Oak Sts. Ph. Amherst 3-4343. (1) L. R. McKee; (2, 6, 8) Harry G. McKee; (3) Orval Fisher; (4) Lee L. McKee; (5) James A. Gould; (7, 9) Archie White. 2 exp., cap. 30 t. Storage cap. 250,000 bu. "Hawkeve" soybean oil meal, mixed feeds and pellets. Served by RI, MILW RR and river barges.

Muscatine—MUSCATINE PROCESSING CORP., 1600 Oregon St. Ph. Amherst 3-1321. (1) S. G. Stein; (2) G. A. Kent; (2) F. J. Prochaska; (3) R. C. Kautz; (4) F. G. Hocking; (5, 6, 8) M. C. Larson; (7, 9) R. D. Stroup. Hexane solv., cap. 100 t. Storage cap. 500,000 bu. "Port City" soybean oil meal. Served by MILW, RI RR.

Quimby—SIMONSEN MILL RENDERING PLANT, INC., Ph. 16. (5, 6, 7, 8, 9) D. W. Simonsen. 4 screw pr., cap. 50 t. Storage cap. 130,000 bu. "Simonsen" soybean oil meal, mixed feeds and pellets. Served by IC RR.

Ralston—FARMERS COOPERATIVE ASSN. Ph. 37. (1) Otis Knight; (2) Myron B. Gregory; (3, 4) Carl R. Cook; (5) William Y. McDonald; (6, 9) Karl Nolin; (7) Wm. Gregory; (8) Charles Lauridsen. 3 screw pr., cap. 50 t. Storage cap. 2,750,000 bu. "Farmers" soybean oil meal, mixed feeds and pellets. Served by CNW RR.

Redfield—IOWA SOYA CO. Ph. 400. (1, 4) J. J. Vanier; (2, 9) Donald C. Ogg; (3) Thomas B. Roberts; (5) Byrle Spillers; (6) Lloyd J. Smith; (7) D. O. Cameron; (8) Keith O. Fuller. Hexane solv., cap. 500 t. Storage cap. 2,700,000 bu. "Redfield" soybean oil meal and pellets. Served by MILW RR.

Sheldon—BIG 4 COOPERATIVE PROCESSING ASSN., 111 9th St. (1) Doores Waanders; (2) Paul D. Vetter; (3, 4) Arie Gaalswyk; (5, 8) Kenneth J. McQueen; (6, 9) Charles W. Hanson; (7) Daniel D. Boster. 8 exp., cap. 180 t.; solv., cap. 150 t. Storage cap. 600,000 bu. "Felco" soybean oil meal. Served by IC, MILW, CMO RR.

Sioux City—CARGILL, INC., 11th and Clark Sts. Ph. 8-0174. Main office, Minneapolis. (7) Ronald Clark; (9) A. L. Petersen. Hexane solv. "Cargill" soybean meal and pellets. Served by IC RR.

Washington—CARGILL, INC., N. 15th St. and E. 3rd Ave. Ph. 820. Main office Minneapolis. (7) Raymond Roth; (9) Hugo Lensch. Hexane solv. "Cargill" soybean oil meal and pellets. Served by RI RR.

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PROCESSORS—(Continued)

Waterloo—BORDEN'S SOY PROCESSING CO., Westfield Ave. Ph. Adams 4-7531. Div. of Borden Co., New York. Also soya processing plant at Kankakee, Ill. (1) R. J. Kunz (N. Y.); (2, 6) J. R. Pentis (Chicago); (5, 8, 9) J. Schmicher; (7) F. P. Parkin; gen. mgr. soy and feed supplements, E. J. Brubaker (N. Y.). Hexane solv., cap. 240 t. Storage cap. 1,000,000 bu. "Borden's" 44% soybean oil meal. Served by WCF&N and RI RR.

West Bend—WEST BEND ELEVATOR CO. Ph. 4371. (1) Earnie Schmidt; (2) Ely Grimm; (3) R. W. Rittgers; (5, 6, 8) R. W. Jurgens; (7) Harold Baas, 3 exp., cap. 30 t. Storage cap., 575,000 bu. "Felco" soybean oil meal and mixed feeds. Served by RI RR.

KANSAS

Emporia—KANSAS SOYA PRODUCTS CO., INC., E. 5th Ave. Ph. 3000. (1) John J. Vanier; (2, 3) E. E. Stearns; (2, 4) J. K. Vanier; (2, 5, 6) and gen. mgr., Elmer L. Buster; (7) T. R. Barnhart; (8) Robert H. Wise. Hexane solv., cap. 300 t. Storage cap. 1,300,000 bu. at Emporia, Hartford, Strawn and Olathe. "Sunflower" soybean oil meal and pellets; "Sunflower" and "Lasso" mixed feeds. Served by ATSF RR.

Girard—PRODUCERS COOPERATIVE ASSN. Ph. 192. (1) Marvin Green; (2) Homer Perry; (3, 4) Lawrence Clausen; (9) C. W. Scammell, 2 screw pr., cap. 40 t. Storage cap. 583,000 bu. "Producers" 41% soybean oil meal; "Producers" and "Co-Op Open Formula" mixed feeds and pellets. Served by SLSF, ATSF RR.

Wichita—SOY-RICH PRODUCTS, INC., 1501 N. Mosley. Ph. Amherst 5-9635. (1, 6) Ralph S. Moore; (2) War O. Brooks; (2) Geo. S. Armstrong; (3, 4) Elmer C. Moore; (5, 8) B. E. Henline; (7) Jess Turner; (9) J. W. Thelman. Blaw-Knox hexane solv., cap. 150 t. Storage cap. 1,100,000 bu. "Four-Leaf Clover" 44% and 50% protein soybean oil meal and pellets. Served by ATSF, MP, RI, SLSF, MV RR.

KENTUCKY

Henderson—OHIO VALLEY SOYBEAN COOPERATIVE, P. O. Box 338, Outer 5th St. Ph. Valley 6-3921. (1) O. D. Keck; (2) Harry Gatton, Jr.; (3, 4, 5, 6, 9) A. I. Reisz; (8) David Frymire. Anderson solv., cap. 135 t. Storage cap. 840,000 bu. "Cardinal Quality" 44% soybean oil meal; "Cardinal" mixed feeds. Manufacture pellets on order only. Served by L&N, IC RR.

Louisville—RALSTON PURINA CO., soybean div. (5) J. E. Evans; (7) Jack Gardner; (9) W. L. Golden.

Owensboro—OWENSBORO GRAIN CO. (1) Wm. M. O'Bryan; (2) Henry E. O'Bryan; (3) Hugh P. Aud. Solv. cap. 125 t. Storage cap. 600,000 bu. "Ograco" 44% solv. soybean oil meal.

LOUISIANA

New Orleans—SOUTHERN COTTON OIL DIV., Wesson Oil & Snowdrift Co. Inc., 210 Baronne St. Main office. (1) E. A. Ghegan; (2) F. L. Morgan; (2) P. L. Williams.

West Monroe—UNION OIL MILL INC., P. O. Box 97. Ph. FA-3-6657, 3-6658. Chm. of board, C. W. Wallace; (1) Alfred Jenkins; (2) F. W. Scott; (3, 4) G. F. Wallace; (7) R. W. May, 4 exp., cap. 150 t. Storage cap. 300,000 bu. "Union" soybean oil meal and pellets; "Union-Mix" mixed feeds. Soybean operations about 1/3. Served by IC RR.

MINNESOTA

Blooming Prairie—AMELLA MILLS, INC., P. O. Box 757. Ph. 200.

Dawson—TRI-COUNTY CO-OP. SOYBEAN ASSN. Ph. Frontier 9-4386. (1) C. M. Hanson; (2) E. Boraas; (3) Ralph B. Hill; (4) J. Lideen; (5) Harold Larson; (6, 9) Joe C. Givens; (7) D. A. Crane; (8) Dave Owen. Hexane solv., cap. 200 t. Storage cap. 700,000 bu. "Dawson" soybean meal. Served by M&STL RR.

Halstad—HALSTAD ELEVATOR CO. INC. Ph. plant, Gladstone 6-6575; office, GL-62235. (1) Erwin Warner; (2) Neon Helgoe; (3, 4) Bennitt Aarestad; (5) Carl Nervig; (6, 9) O. D. Bervig; (7, 8) C. N. Hauge, 4 exp., cap. 51 t. Storage cap. 100,000 bu. "Valley Giant" soybean oil meal. Served by GN RR.

Mankato—ARCHER-DANIELS-MIDLAND CO., 3rd and Harper. Ph. 7947. Main office Minneapolis. (1) Allan Colby. Hexane solv. "Archer" 44% and 50% soybean oil meal; "Archer" and "Bostry" mixed feeds; "Archer" pellets; defatted, low-fat soy flour. Served by CMO RR.

Mankato—HONEYMEAD PRODUCTS CO. Ph. 7911. (1, 5, 6) L. W. Andreas; (2) W. B. Cox; (2) R. J. Sennott; (2, 3, 9) J. I. Maslon; (4) chm. of board, D. O. Andreas; (7) V. Boettcher; (8) C. T. Mullan. Hexane solv., cap. 1,700 t. Storage cap. 3,000,000 bu. "Honeyhead" soybean oil meal. Served by CNW, CMO, MILW, CGW RR.

Minneapolis—ARCHER-DANIELS-MIDLAND CO., 700 Investors Bldg. Ph. Federal 3-2112. Plants at Decatur, Ill., Mankato, Minn. and Evendale, Ohio. (1) John Daniels; (2) Ralph Bruce; (3) P. S. Duff; (4) W. J. Davis; (5) R. K. Davies; (6) J. W. Stowell; (8) Edward O. Pashke.

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MASON CITY, IOWA

PROCESSORS—(Continued)

Minneapolis 15—CARGILL, INC., 200 Grain Exch. Plants at Chicago; Cedar Rapids, Fort Dodge, Sioux City and Washington, Iowa; Savage, Minn.; Memphis, Tenn.; Norfolk, Va. (1) Cargill MacMillan; (2) F. M. Seed; (3) Donald C. Levin; (4) C. W. Mooers.

Minneapolis—GENERAL MILLS, INC., oilseeds div., 9200 Wayzata Blvd. Ph. Liberty 5-2811. Plants at Belmond, Iowa, and Rossford, Ohio. (1) S. D. Andrews, Jr.; (2) F. H. Hafner; (6) W. E. Flumerfelt; (8) L. R. Brewster; (9) G. W. LaLone. "General Mills" 44% protein extracted soybean oil meal and 50% protein dehulled soybean oil meal.

Minneapolis 21—MINNESOTA LINSEED OIL CO., 25 44th Ave. N.E. Ph. SU-89011. (1) E. H. Russell; (2) V. Wurtele; (3, 4) J. D. O'Keefe; (5) L. L. Kreber; (6) R. J. Lindquist, Jr.; (7, 9) George N. Walker; (8) W. E. O'Connor. Solv.; 18 exp., cap. 500 t. Storage cap. 3,000,000 bu. "Minnesota" soybean oil meal and pellets. Served by NP RR.

Preston—PRESTON SOYA MILLS, INC. Registered office, Mapleton, Minn. Ph. 4-3211, 4-3277; Preston, South 5-3306. (1, 2) Wallace E. Frank; (3, 4, 5, 6, 8) Edward G. Frank; (7, 9) Ed Steinkopf. 3 exp., cap. 78 t. Storage cap. 225,000 bu. "Presto" soybean oil meal. Served by MILV& RR.

Savage—CARGILL, INC. Ph. Tuxedo 1-8641. Main office Minneapolis. (7) Richard Ehrmann. Hexane solv. "Cargill" soybean oil meal. Served by MNGS RR.

MISSISSIPPI

Belzoni — MISSISSIPPI OIL MILLS, INC. (7) H. C. Switzer; (9) S. A. Pittman. 9 hydraulic pr., cap. 50 t. Storage cap. 150,000 bu. Soybean operations 4,000-8,000 t. Served by IC RR.

Clerksdale — PLANTERS MFG. CO. Ph. Main 4-2571. (1) C. G. Smith; (2) C. G. Bobo; (2) E. L. Anderson, Jr.; (3, 4, 5, 6, 8) A. K. Shaifer. 4 exp.; hexane solv., cap. 200 t. Storage cap. 1,000,000 bu. 44% protein solv. extracted soybean oil meal. Served by IC RR.

Corinth — BUCKEYE CELLULOSE CORP. Dist. mgr., A. J. Vaughan, Jr.; (7) N. A. Garrison.

Greenville — MISSISSIPPI OIL MILLS, INC. (5, 6, 8, 9) Hal Harris; (7) B. C. L. 16 hydraulic pr., cap. 85 t. Storage cap. 250,000 bu. Soybean operations 7,000 t. Served by C&G, IC RR.

Greenville — SOUTHERN COTTON OIL DIV., Wesson Oil & Snowdrift Co. Inc., 815 Nelson St. Ph. Edison 2-5474, 2-5475, 2-2935. Main office New Orleans. (7) H. M. Easley; (9) M. D. Kolb. French hexane solv. and 5 French screw pr. "Soco" soybean oil meal. Served by IC, C&G RR.

Greenwood—MISSISSIPPI OIL MILLS, INC. (7) G. R. Simpson; (9) E. C. Mason. Solv., cap. 100 t. Storage cap. 250,000 bu. Soybean operations 10,000 t. Served by IC RR.

Grenada—MISSISSIPPI OIL MILLS, INC. (7) E. C. Barnette; (9) J. H. Adams. 2 exp., cap. 50 t. Storage cap. 3,000 t. Soybean operations 2,000 t. Served by IC RR.

Hollandale—MISSISSIPPI OIL MILLS, INC. (7) W. E. Campbell; (9) Hal Harris. Solv., cap. 100 t. Storage cap. 250,000 bu. Soybean operations 7,000 t. Served by IC RR.

Jackson—DELTA COTTON OIL & FERTILIZER CO., Valley at Florence St., P. O. Box 899. Ph. FL-4-2271. (1, 5, 6) Alfred Jenkins; (2) W. R. Barrow; (2) Jas. C. Bolton; (3, 4) L. D. Hamilton; (7) R. F. Anderson. 4 screw pr.; Blaw-Knox hexane solv., cap. 150 t. Soybean operations 10,000 t. Served by IC RR.

Jackson 5—MISSISSIPPI OIL MILLS, INC., 1016 Plaza Bldg., general offices. Soybean crushing mills at Belzoni, Greenville, Greenwood, Grenada, Hollandale, Jackson, Kosciusko, Magnolia and Newton. (1) J. F. Barbour II; (2) R. W. Coleman; (3, 4) J. H. Freeman. Gen. mgr., Mississippi Cottonseed Products Co.

Jackson—SOUTHLAND COTTON OIL CO., div. Anderson, Clayton & Co. Main office Waxahachie, Tex. (7) W. L. Hodgins; (9) John Bookhart.

Kosciusko—MISSISSIPPI OIL MILLS, INC. (7) R. A. Harris; (9) H. S. Simmons. 3 exp., cap. 75 t. Storage cap. 85,000 bu. Soybean operations 2,000 t. Served by IC RR.

Leland—LELAND OIL WORKS. Ph. 33 and 22. Affiliate of Port Gibson Oil Works. (1) C. W. Blomquist; (2, 6, 8) Lomax Anderson; (4, 9) S. B. Shaifer; (7) M. P. Letchworth. Hexane solv. Served by IC RR.

Magnolia—MISSISSIPPI OIL MILLS, INC. (7) J. B. Graham; (9) G. E. Covington. 3 exp., cap. 75 t. Storage cap. 250,000 bu. Soybean operations 2,000 t. Served by IC RR.

Marks—RIVERSIDE OIL MILL. Gen. mgr., Wm. King Self. French extractor, cap. 400 t. Storage cap. 1,500,000 bu. "Riverside" soybean oil meal. Served by IC RR.

Newton—MISSISSIPPI OIL MILLS, INC. (7) E. R. Robinson; (9) W. R. Jones. 2 exp., cap. 50 t. Storage cap. 3,000 t. Soybean operations 2,000 t. Served by IC and GM&N RR.

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PROCESSORS—(Continued)

MISSOURI

Kansas City—RALSTON PURINA CO., 2334 Rochester Ave. Ph. HUmboldt 3-9888. Main office St. Louis. (5) F. G. Franze; (7) C. C. Ward; (9) E. G. Hotchkiss. Solv., cap. 350 t. Storage cap. 2,250,000 bu. "Purina Chows" mixed feeds.

Merxio—M.F.A. GRAIN & FEED DIV., Missouri Farmers Association, Inc. Ph. JU-14195. Main office 429 Cherokee St., St. Joseph, Mo. (1) F. V. Heinkel; (2) L. O. Wallis; (3) R. J. Rosier; (7) John A. Botkin; (9) Kermit F. Head; gen. mgr., A. J. Loutch; off. mgr., Bert Thomas, 4 exp., cap. 80 t. Storage cap. 1,400,000 bu. "M.F.A." soybean oil meal, feeds and pellets. Served by WAB, GM&O, CB&Q RR.

New Madrid—RALSTON PURINA CO. (5) Bill Baldauf; (7) J. W. Anderson; (9) E. B. Golden.

St. Joseph—DANNEN MILLS, INC., P. O. Box 429. Plant 900 Lower Lake Rd. Ph. ADams 3-6161. (1) Dwight L. Dannen; (2) George O. Lines; (2) F. A. Mannschreck; (2) R. W. Waite, Jr.; (2) Fred C. Woelfling; (2, 6) E. A. Gumbert; (3) M. E. Dawson; (4) Charles H. Mannschreck; (5) A. E. Frank; (7) George Lippold; (8) C. T. Stover; (9) Ray Rigganbach. Hexane solv., cap. 300 t. Storage cap. 43,000,000 bu. at St. Joseph and branches in Iowa, Missouri, Kansas, Nebraska, Oklahoma, Colorado and Illinois. "Dannen" soybean oil meal, mixed feeds and pellets. Served by MP, CB&Q, ATSF, RI, CGW, UP RR.

St. Louis—RALSTON PURINA CO., 835 S. 8th St. Plants at Lafayette, Ind.; Bloomington and Decatur, Ill.; Iowa Falls, Iowa; Kansas City and New Madrid, Mo.; Memphis, Tenn.; Louisville, Ky.; Raleigh, N. C. (1) Ray E. Rowland; (2, 5, 8) Donald B. Walker; (6) R. H. Hoagland. "Purina Chows" mixed feed.

NEBRASKA

Fremont—FREMONT CAKE & MEAL CO. Ph. Park 1-5670. (1) John J. Vanier; (2) Harry B. Lilly; (3, 4, 5, 6, 9) Harry E. Wiyssel; (7) Del Gaeth; (8) George Goodhard. Solv., cap. 100 t. Storage cap. 675,000 bu. Served by UP, CB&Q, CNW RR.

Lincoln 1—GOOCH MILLING & ELEVATOR CO., 6th and South Sts. Ph. 7-4161. (1) H. B. Lilly; (2) J. J. Vanier; (3) Maria Scheidt; (4, 6, 9) M. R. Elghmy; (5) J. Floyd Chance; (7) Lloyd Graham. 2 screw pr., cap. 45 t. Storage cap. 500,000 bu. "Gooch's Best" mixed feeds. Served by CB&Q, UP, CNW, MP, RI RR.

NEW YORK

Buffalo—SPENCER KELLOGG AND SONS, INC. Ph. Cleveland 5850. Plants at Long Beach, Calif.; Chicago and Decatur, Ill.; Des Moines, Iowa; Bellevue, Ohio. (1) Howard Kellogg, Jr.; (2) R. L. Terrell; (2) F. W. Thomas; (2) W. L. Lefean; (2) Daniel J. Healy; (2, 5) R. B. Jude; (2, 6) R. L. Beyer; (3) M. Smith; (4) C. L. Bruno; (8) R. E. Peterson; gen. supt., J. S. Williams. Hexane solv. "Spencer Kellogg's" 44% and 50% protein soybean oil meal; pellets; soy flour.

NORTH CAROLINA

Farmville—MORGAN OIL & REFINING CO., 600 W. Pine St. (1) Irvin Morgan, Jr.; (3, 4) W. F. Lane; (7) H. V. Dixon. 3 hydraulic pr., cap. 24 t. Storage cap. 35,000 bu. "Jocko" soybean oil meal. Served by EC, NS RR.

Goldshoro—SOUTHERN COTTON OIL DIV., Wesson Oil & Snowdrift Co. Inc., P. O. Box 564. Ph. RE-4-5141, LD 30. Main office New Orleans. (9) and dist. mgr., W. V. Westmoreland. 2 exp. "Sco-Co" 45% protein hydraulic soybean oil meal. Served by ACL, SOU, AEC RR.

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PROCESSORS—(Continued)

New Bern—NEW BERN OIL & FERTILIZER CO. Ph. 3194, 3195. (1, 5, 6) John S. Weskett; (2) H. G. Swan; (3, 4) W. W. McCotter; (7) F. C. Shearin. 2 screw pr., cap. 40 t. Storage cap. 500,000 bu. "N-O-M" soybean oil meal, mixed feeds and pellets. Served by NS, AEC, ACL RR.

Raleigh—RALSTON PURINA CO. (5) John Waggon; (7) J. F. Moody; (9) J. T. Wright.

Rocky Mount—PLANTERS COTTON OIL & FERTILIZER CO., P. O. Box 912. Ph. Gibson 2-2131, 2-2132, 2-2133. (1, 4) R. D. Gorham; (2) G. W. Gorham, Jr.; (2) J. G. Reed, Jr.; (2) J. D. Robbins; (2, 3) R. D. Gorham, Jr.; (2, 5, 6, 8, 9) W. T. Melvin; (7) C. J. Raynor. Solv., cap. 150 t. Storage cap. 400,000 bu. "Planco" soybean meal. Served by ACL RR.

Rocky Mount—SOUTHERN COTTON OIL DIV., Wesson Oil & Snowdrift Co. Inc., P. O. Box 109. Ph. 2-3165, 2-3166. Main office New Orleans. (7) H. B. Wilson; (9) G. L. Hooks, Jr. 2 exp., cap. 50 t. "Sca-Co" soybean oil meal. Soybean operations 25%. Served by ACL RR.

Selma—SELMA SOYBEAN CORP., P. O. Box 488. Ph. WO 5-2396. (1) Floyd Price, Jr.; (3, 4, 5, 6, 8, 9) R. G. Gurley. Anderson solv., cap. 100 t. Storage cap. 500,000 bu. "Selsoy 44%" soybean oil meal and pellets; "50% Hy Protene" soybean oil meal; "Selsoy" soy flour. Served by ACL, SOU RR.

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Wilson—FARMERS COTTON OIL CO., 510 E. Barnes St. Ph. 2154. (1, 5, 6) T. F. Bridgers; (2) C. P. Harris, Jr.; (2) E. R. Bridgers; (3, 4) C. M. Kirby; (7, 9) W. G. Bryant. 15 hydraulic pr., cap. 75 t. Storage cap. 275,000 bu. 45% protein soybean oil meal. Soybean operations 20%. Served by ACL, NS RR.

NORTH DAKOTA

Grand Forks—NORTH DAKOTA MILL & ELEVATOR. Ph. 4-5541. (5) Con Lillegara; (6, 8, 9) H. G. Jardehim; gen. mgr., P. R. Fossen. Hexane solv., cap. 45 t. Storage cap. 500,000 bu. "Dakota Maid" soybean oil meal, mixed feeds and pellets. Served by GN, NP RR.

OHIO

Bellevue—SPENCER KELLOGG AND SONS, INC. Main office Buffalo 5, N. Y. (7) H. Stokely. Hexane solv. 44% and 50% protein soybean oil meal; pellets. Served by NKP, PRR.

Cincinnati 1—BUCKEYE CELLULOSE CORP. Main office. (2) R. B. Williams; (2) B. J. Gantt.
Cincinnati—ARCHER-DANIELS-MIDLAND CO., 2795 Sharon Rd. Plant at Evendale. Ph. Princeton 1-3220. (5, 6, 8) Ray Fledderman; (9) W. A. Jenks. Served by NYC, PRR.

Delphos—DELPHOS GRAIN & SOY PRODUCTS CO., Ph. 5261. (1, 4) Floyd E. Hiegel; (2) Naomi M. Hiegel; (3) John Marsh; (5) Paul Metzner; (6, 8) E. M. Wiecher; (7, 9) Walter J. Suerer. Hexane solv., cap. 900 t. Storage cap. 1,500,000 bu. at Delphos and Lexington. Served by NKP, B&O, PRR.

Fostoria—SWIFT & CO. Main office Chicago. (5, 9) H. F. Lester; (7) E. H. Eubanks; (8) L. Chalfin. "Swift's" soybean oil meal.

Marion—CENTRAL SOYA CO., INC. Main office Fort Wayne. (9) Max Spencer. Solv., cap. 400 t. Storage cap. 5,000,000 bu. Central Thrifty-Fifty, Fish 'n Fifty and Forty-Four soybean oil meal, "Central" lecithin, "Central" soybean oil products, "Master Mix" concentrates and complete feeds.

Painesville—A. E. STALEY MFG. CO. Ph. Elmwood 4-3523. Main office Decatur, Ill. (8) Lyle Wiegand; (9) Thomas Longbons. Hexane solv. "Staley's" soybean oil meal 44% protein, "Hi-Pro-Con" 50% protein soybean oil meal, and "Staley's" soybean mill feed. Served by BGO, NYC, NKP RR.

Rossford—GENERAL MILLS, INC., oilseeds div. Ph. OXford 3-6551. Main office Minneapolis. (5, 8) D. W. Moebius; (7) J. R. Wright. Storage cap. 1,500,000 bu. "General Mills" 44% protein extracted soybean oil meal and 50% protein dehulled soybean oil meal.

OKLAHOMA

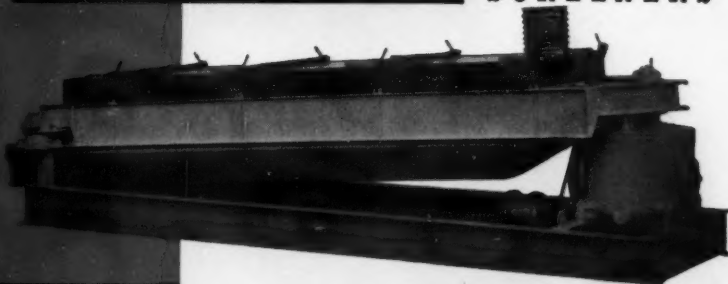
Durant—DURANT COTTON OIL & PEANUT CORP., 401 Railway Ave. Ph. 1900, 1901. (1) G. W. Morrow; (2, 5, 6, 8) W. H. Sands; (2, 9) G. W. Morrow, Jr.; (3, 4) Marie P. Morrow; (7) J. G. Enochs. 2 exp., cap. 40 t. Storage cap. 100,000 bu. "Durco" soybean oil meal and pellets. Served by SLSF, KO&G, MKT RR.

McAlester—McALESTER OIL MILL CO., 14th and Washington. Ph. Garden 3-3710. (1, 5, 6, 8, 9) P. F. Rosso; (2) Jimmy Hall; (3, 4) J. A. Rosso; (7) H. D. Moore. 4 French pr., cap. 55 t. Storage cap. 150,000 bu. "Red Seal" soybean oil meal, mixed feeds and pellets. Soybean operations 3,000 to 6,000 t. per year. Served by RI, MKT RR.

Muskogee—MUSKOGEE COTTON OIL CO., 724 N. Mill St. Main office Chickasha Cotton Oil Co., Box 511, Fort Worth. (5, 8, 9) G. N. Irish; (7) J. E. Earl. 3 French pr., cap. 60 t. Storage cap. 260,000 bu. "Musco" and "Red Seal" soybean oil meal and pellets. Served by MKT, SLSF, MV, KO&G RR.

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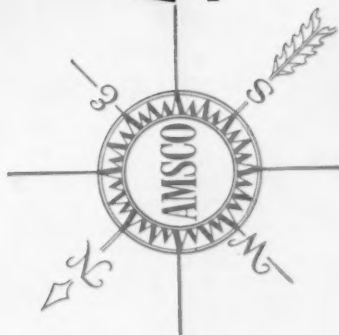
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PROCESSORS—(Continued)

SOUTH CAROLINA

Columbia—SOUTHERN COTTON OIL DIV., Wescon Oil & Snowdrift Co. Inc., P. O. Box 840. Ph. AL-2-1903. Main office, New Orleans. (7) W. O. Bobb; (9) W. M. Robinson, Jr. 2 screw pr. Served by ACL, SOU RR.

Estill—SOUTHERN SOYA CORP. Ph. 2711. (1) Stiles M. Harper; (2, 4) Grover F. Bowers, Jr.; (3, 8, 9) exec. vice pres. and gen. mgr., R. A. Denman; (7) H. R. Youmans. French solv., cap. 150 t. Storage cap. 1,250,000 bu. 44% and 50% soybean meal. Soybean operations 1,500,000 bu. Served by SAL RR.

Hartsville—HARTSVILLE OIL MILL, 5th St. Ph. ED 2-7731 and 2-8144. (1) E. H. Lawton; (2) R. R. Coker; (3, 5, 8) H. F. Galloway; (4, 6) Edgar H. Lawton, Jr.; (7, 9) J. J. Lawton; cashier, Herbert Heaton; refiner, M. A. Clark; traffic mgr., J. McNair. 4 exp., cap. 100 t.; Blaw-Knox solv., cap. 200 t. Storage cap. 1,330,000 bu. at Hartsville and Bishopville. "Hartsville" 44% and 50% soybean meal. Served by ACL and SAL RR.

Kershaw—KERSHAW OIL MILL. Ph. LD 25. (1) H. L. McPherson, Sr.; (2) Edna S. Stevens; (2) Fred E. Culvern, Sr.; (3) Jno. S. Davidsen; (4) T. V. Hough; (7) Y. L. Copeland. 5 exp., cap. 125 t. Storage cap. 500,000 bu. "Palmeto" soybean oil meal. Soybean operations 40%. Served by SOU RR.

Lancaster—LANCASTER COTTON OIL CO. Affiliate Kershaw Oil Mill. (1, 5, 6) H. L. McPherson; (2, 4, 8) W. G. Taylor; (3) J. W. Medford; (7, 9) W. Ben Sowell. 2 exp., cap. 70 t. Storage cap. 150,000 bu. "Palmeto" soybean oil meal. Soybean operations 33%. Served by SOU, LC RR.

Marion—MARION COTTON OIL CO. Affiliate of Kershaw Oil Mill. (1, 5, 6, 8) H. L. McPherson; (3) John S. Davidson; (4) T. V. Hough; (7) Roy Peebles; (9) W. W. Snipes. 3 screw pr. Storage cap. 150,000 bu. Served by ACL RR.

TENNESSEE

Chattanooga—CENTRAL SOYA CO., INC. Main office Fort Wayne, Ind. (9) Wendell E. Mann. Solv., cap. 500 t. Storage cap. 4,250,000 bu. Central Thrifty-Fifty, Fish 'n Fifty and Forty-Four soybean oil meal, "Central" lecithin; "Central" soybean oil products; "Master Mix" concentrates and complete feeds. Served by SOU RR.

Altona, Man.—CO-OP VEGETABLE OILS LTD., P. O. Box 150. Ph. 62. (1) J. J. Peters; (3) Peter Brown; (5) John Funk; (6, 8, 9) John Enns; (7) Menna Funk. 3 exp., cap. 50 t.; solv., cap. 80 t. Storage cap. 250,000 bu. Soybean operations 350,000-500,000 bu. Served by CP RR.

Fort William, Ont.—EDIBLE OILS LTD., P. O. Box 130. Main office Winnipeg, Man. (1) K. A. Powell; (2) J. Gordon Ross; (3, 4) W. T. Powell; (7) R. A. Purves; (9) A. J. Lamminen. 4 exp., cap. 80 t.; solv., cap. 50 t. Storage cap. 50,000 bu. "Edible" soybean oil meal. Served by CN, CP RR.

Hamilton, Ont.—CANADIAN VEGETABLE OIL PROCESSING LTD., Victoria Ave. and Burlington St. (1, 5, 6, 8, 9) G. S. Boulter; (2) J. Reesor; (3) L. A. Matthews; (4) G. H. Vinall; (7) B. Mooney. Anderson hexane solv., cap. 250 t. Storage cap. 650,000 bu. "CVOP" soybean oil meal. Served by CN RR.

Memphis—BUCKEYE CELLULOSE CORP. (2) seed buying, W. R. Flippin; (2) sales, W. H. Knapp; dist. mgrs., T. F. Horn, R. W. Coursey; (7) Holly-wood mill, R. J. Patterson.

Memphis—CARGILL, INC., 2510 Sterick Bldg., P. O. Box 277. (7) V. K. Behounek; (9) James R. Spicola. Hexane solv. "Cargill" soybean oil meal and pellets. Served by SLFS, IC, MP RR.

Memphis—RALSTON PURINA CO., soybean div. (5) J. K. Sartain; (7) L. E. Pedrick; (9) A. I. Gleason.

Memphis—SWIFT & CO., P. O. Box 3867, Lamar Sta. Main office Chicago. (5, 9) E. C. McGee; (7) W. H. Stewart; (8) W. L. Morris. "Swift's" soybean oil meal.

Nashville—NASHVILLE COTTON OIL MILL CORP., 410 Chestnut St. (1, 6) E. Rice, Jr.; (2) S. H. Ridens; (3, 4) J. A. Wingate; (7) H. M. Woodyard; (8, 9) Douglas Rainwater. Anderson solv., cap. 125 t. Storage cap. 525,000 bu. "Famous" mixed feeds and pellets; soybean oil meal. Soybean operations 65%. Served by N&C, L&N RR.

Tiptonville—WEST TENNESSEE SOYA MILL, INC. Ph. AL-37162, AL-37211. (1) J. E. Vaughn; (2) Peter Frederickson; (3, 4) W. A. McCutchen; (5, 6, 8, 9) Tyler Terrett; (7) Thos. Hutchinson. Allis-Chalmers hexane solv., cap. 150 t. Storage cap. 950,000 bu. 44% protein solv. ext. soybean oil meal. Soybean operations 35,000 t. Served by IC RR.

TEXAS

Hamlin—MID WEST COOPERATIVE OIL MILL, P. O. Box 398. Ph. 174, 874. (1) Jack B. Fry; (2) Wallace Allison; (3, 4, 5, 6, 8, 9) R. L. McClung; (7) W. W. Rogers. 4 French screw pr., cap. 120 t. Storage cap. 235,000 bu. Mixed feeds and pellets. Crush soybeans only when cottonseed not available. Served by MKT, ATSF RR.

Sherman—GENERAL VEGETABLE OIL CO. Ph. Twinbrook 2-9171. Also office Fort Worth. Affiliate of Kimball-Norris Mills. (1, 6) P. A. Norris, Jr.; (2) Kay Kimbell; (2, 5, 8) J. D. Morton; (3) B. J. Quinn; (7) J. H. Fryer; (9) F. D. Phillips. 7 screw pr., solv., cap. 240 t. cottonseed, 200 t. soybeans. Served by SP, CB, SLFS, MKT RR.

VIRGINIA

Norfolk—CARGILL, INC., Barnes Rd., P. O. Box 7506. Ph. Kimball 5-8461. Main office, Minneapolis. (7) Harold Sandvig; (9) Tom C. Veblen. Hexane solv. "Cargill" soybean meal. Served by N&PB RR.

CANADIAN SOYBEAN PROCESSORS

Altona, Man.—CO-OP VEGETABLE OILS LTD., P. O. Box 150. Ph. 62. (1) J. J. Peters; (3) Peter Brown; (5) John Funk; (6, 8, 9) John Enns; (7) Menna Funk. 3 exp., cap. 50 t.; solv., cap. 80 t. Storage cap. 250,000 bu. Soybean operations 350,000-500,000 bu. Served by CP RR.

Fort William, Ont.—EDIBLE OILS LTD., P. O. Box 130. Main office Winnipeg, Man. (1) K. A. Powell; (2) J. Gordon Ross; (3, 4) W. T. Powell; (7) R. A. Purves; (9) A. J. Lamminen. 4 exp., cap. 80 t.; solv., cap. 50 t. Storage cap. 50,000 bu. "Edible" soybean oil meal. Served by CN, CP RR.

Hamilton, Ont.—CANADIAN VEGETABLE OIL PROCESSING LTD., Victoria Ave. and Burlington St. (1, 5, 6, 8, 9) G. S. Boulter; (2) J. Reesor; (3) L. A. Matthews; (4) G. H. Vinall; (7) B. Mooney. Anderson hexane solv., cap. 250 t. Storage cap. 650,000 bu. "CVOP" soybean oil meal. Served by CN RR.

Toronto, Ont.—TORONTO ELEVATORS LTD., 417 Queen's Quay W. Ph. Empire 4-7161. (1) J. D. Leitch; (2) R. C. Berkinshaw; (2) research and development, F. W. Present; (2, 5) A. D. Clark; (3) F. T. Carnegie; (4) G. W. Hawes; (6) W. G. Milliken; (7) W. Russell; (8) J. Cormack; (9) R. S. Wayman; oil div. mgr., G. W. Stepan. 8 exp., cap. 150 t.; hexane solv., cap. 150 t. Storage cap. 4,000,000 bu. "Double Diamond" soybean meal; "Master" mixed feeds and pellets. Served by CN & CP RR.

Toronto 2, Ont.—VICTORY SOYA MILLS, LTD., 333 Lake Shore Blvd. East. Affiliate of Procter & Gamble Co., Cincinnati, Ohio. Ph. Empire 3-8771. (2) and gen. mgr., E. L. Newman; (2, 3) G. Abrams; (2, 5) in charge purchases, A. R. Gillespie; (2, 7) R. G. Loftus; (2, 8) J. C. Henderson. Served by CN, CP RR.

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- Stuttgart, Ark.**—ARKANSAS GRAIN CORP., 120 N. Grand Ave., P. O. Box 47.
- Van Buren, Ark.**—COOPERATIVE PROCESSING ASSN., P. O. Box 128. "Coop."
- Wilson, Ark.**—WILSON SOYA CO. "Wilson Soya" meal or pellets.
- Millsboro, Del.**—TOWNSEND'S INC. "Townsend's" low fiber meal.
- Augusta, Ga.**—BUCKEYE CELLULOSE CORP., P. O. Box 540. "Buckeye."
- Bloomington, Ill.**—RALSTON PURINA CO. "Purina."
- Champaign, Ill.**—SWIFT & CO., soybean mill. "Swift's."
- Chicago, Ill.**—CARGILL, INC., 122nd St. and Torrence Ave. "Cargill."
- Danville, Ill.**—LAUHOFF SOYA CO.
- Decatur, Ill.**—ARCHER-DANIELS-MIDLAND CO., P. O. Box 1030. "Archer."
- Decatur, Ill.**—RALSTON PURINA CO. "Purina."
- Decatur, Ill.**—SPENCER KELLOGG AND SONS, INC.
- Decatur, Ill.**—A. E. STALEY MFG. CO., 22nd and Eldorado Sts. "Hi-Pro-Con."
- Gibson City, Ill.**—CENTRAL SOYA CO., INC. "Central Thrifty-Fifty and Fish 'n Fifty."
- Kankakee, Ill.**—BORDEN'S SOY PROCESSING CO., div. of Borden Co., New York. "Borden's."
- Quincy, Ill.**—QUINCY SOYBEAN PRODUCTS CO. "Purity."
- Taylorville, Ill.**—ALLIED MILLS, INC. "Wayne."
- Decatur, Ind.**—CENTRAL SOYA CO., INC. "Central Thrifty-Fifty and Fish 'n Fifty."
- Frankfort, Ind.**—SWIFT & CO., soybean mill. "Swift's."
- Lafayette, Ind.**—RALSTON PURINA CO. "Purina."
- Belmond, Iowa**—GENERAL MILLS, INC., oil-seeds div. "General Mills."
- Cedar Rapids, Iowa**—CARGILL, INC., 1010 10th Ave. S. W. "Cargill."
- Clinton, Iowa**—THE PILLSBURY CO., soy div. "Pillsbury."
- Des Moines, Iowa**—SPENCER KELLOGG AND SONS, INC.
- Des Moines, Iowa**—SWIFT & CO., soybean mill, Box 38, Highland Park Station. "Swift's."
- Iowa Falls, Iowa**—RALSTON PURINA CO. "Purina."
- Redfield, Iowa**—IOWA SOYA CO.
- Wichita, Kans.**—SOY-RICH PRODUCTS INC., 1501 N. Mosley. "Four-Leaf Clover" meal and pellets.
- Henderson, Ky.**—OHIO VALLEY SOYBEAN COOPERATIVE, Outer 5th St., P. O. Box 338. "Cardinal."
- Louisville, Ky.**—RALSTON PURINA CO., soybean div. "Purina."
- New Orleans 12, La.**—SOUTHERN COTTON OIL DIV., Wesson Oil & Snowdrift Co., Inc., 210 Baronne St.
- Mankato, Minn.**—ARCHER-DANIELS-MIDLAND CO., 3rd and Harper. "Archer."
- Mankato, Minn.**—HONEYMEAD PRODUCTS CO. "Honey-mead Hi-Energy."
- Marks, Miss.**—RIVERSIDE OIL MILL. "River-side."
- Kansas City, Mo.**—RALSTON PURINA CO. "Purina."
- New Madrid, Mo.**—RALSTON PURINA CO. "Purina."
- St. Joseph, Mo.**—DANNEN MILLS, INC. "Dannen."
- Raleigh, N. C.**—RALSTON PURINA CO. "Purina."
- Selma, N. C.**—SELMA SOYBEAN CORP., P. O. Box 488. "Hy Protene."
- Bellevue, Ohio**—SPENCER KELLOGG AND SONS, INC.
- Cincinnati, Ohio**—ARCHER-DANIELS-MIDLAND CO., 2795 Sharon Rd. Plant at Evendale. "Archer."
- Fostoria, Ohio**—SWIFT & CO., soybean mill. "Swift's."
- Marion, Ohio**—CENTRAL SOYA CO., INC. "Central Thrifty-Fifty and Fish 'n Fifty."
- Painesville, Ohio**—A. E. STALEY MFG. CO. "Hi-Pro-Con."
- Rossford, Ohio**—GENERAL MILLS, INC., oil-seeds div. "General Mills."
- Estill, S. C.**—SOUTHERN SOYA CORP.
- Hartsville, S. C.**—HARTSVILLE OIL MILL, 5th St. "Hartsville."
- Chattanooga, Tenn.**—CENTRAL SOYA CO., INC. "Central Thrifty-Fifty and Fish 'n Fifty."
- Memphis 8, Tenn.**—BUCKEYE CELLULOSE CORP., Hollywood mill, P. O. Box 6746. "Buckeye."
- Memphis, Tenn.**—CARGILL, INC., 2510 Sterick Bldg., P. O. Box 277. "Cargill."
- Memphis, Tenn.**—RALSTON PURINA CO., soybean div. "Purina."
- Norfolk, Va.**—CARGILL, INC., Barnes Rd., P. O. Box 7506. "Cargill."
- Hamilton, Ontario**—CANADIAN VEGETABLE OIL PROCESSING LTD., Victoria Ave. and Burlington St. "C.V.O.P."
- Toronto, Ontario**—VICTORY SOYA MILLS LTD., 333 Lake Shore Blvd. East. "Veeline."

NOTICE

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FOREIGN PROCESSORS

Includes the firms about which the editors were able to obtain information. Not a complete list.

BELGIUM

Brussels—UNION MARGARINIERE BELGE, S.A., 46, rue Montoyer (Unilever House). Ph. (02) 11.90.30. Plant at 64, rue de la Station, Baasrode. (1) C. S. Pettit; (5, 6, 8) E. J. F. De Petter; (7, 9) H. Van Aalten. 2 exp., cap. 200 t.; solv., cap. 150 t. Storage cap. 5,000 t. Soybean operations 15%.

Izegem—HUILERIES VANDEMOORTELE SOCIETE ANONYME, Boulevard Albert, 8. Ph. 57, 237, 351, 1275. (1) Adhemar Vandemoortele; (5, 6) Raymond Vandemoortele. Hexane solv., cap. 400 t. Storage cap. 700,000 bu. Served by Societe Nationale des Chemins de Fer Belges RR.

BRAZIL

Campinas, S. P.—CIA SWIFT DO BRASIL, S. A. Ph. 3921-2-3. Affiliate of International Packers Ltd. Head office, Rua Formosa 367, S. Paulo. (7) R. H. Welker. 6 exp., cap. 36 t.; 2 high-speed exp., cap. 60 t.; solv., cap. 90 t. Storage cap. 400,000 bu. "Swift-Plate" soybean oil meal; "Swift" mixed feeds. Soybean operations 2,000-5,000 tons. Served by Paulista-Mogiiana-Sorocabana RR.

Rio Preto, S. P.—CIA SWIFT DO BRASIL, S. A. Ph. 1711, 2750. Affiliate of International Packers Ltd. Head office, Rua Formosa 367, S. Paulo. (7) D. J. Lima. 2 high-speed exp., cap. 60 t. Storage cap. 300,000 bu. "Swift-Plate" soybean oil meal. Soybean operations 2,000-5,000 tons. Served by Araraquara RR.

Sao Paulo—CIA SWIFT DO BRASIL, S. A., Rua Formosa 367. Head office. Affiliate of International Packers Ltd. (1) R. C. Zircher; (2) R. J. Dolan; (3) R. H. Paris; (4) W. M. Barnard; (5, 6, 8, 9) O. H. Obertopp.

Santa Rosa, RGS—INDUSTRIA GAUCHA DE OLEOS VEGETAIS, S. A., P. O. Box 81. Directors, Charles K. W. Tse, Eurico Leusin, S. M. Ling and Joao E. Meneghetti. 4 screw pr.; solv., cap. 50 t. Complete refining — soybeans, linseed, peanut.

CUBA

Habano—EXTRACTORA CUBANA DE ACEITES VEGETALES, S.A., Baraitillo 9. Ph. 61-1733. (1) Dr. Gerardo Canet; (2, 5, 6, 8) Ing. Gabriel G. Auroles; (3) Dr. Jorge de Lamas; (4) CP. Rafael Dalmay; (7, 9) Ing. Manuel Villapol. 5 exp., cap. 100 t. Storage cap. 80,000 bu.

DENMARK

Aarhus — AARHUS OLIEFABRIK A/S, Bruunsgade 27. Ph. 26000. Mg. dir., H. L. Knudsen; (5) H. R. Jacobsen.

Copenhagen — DANISH OIL MILLS & SOAP FACTORIES LTD., 11, Lyngbyvej. Ph. Ryvang 8612. (1) F. Brandt-Hansen; (3) C. C. Clausen; (4) Harry Nielsen; (5) A. Andersen; (6) P. Lindhardt; (7) P. Mengel; (9) Wm. Reby. 4 exp. and solv. Storage cap. 75,000 bu.

Copenhagen S. — DANSK SOJAKAGEFABRIK A/S, Islands Brygge 24. Ph. Central 5900. (1) Knud Moller. Solv., cap. 450 t. Soy flour. Soybean operations 120,000 t.

ENGLAND

Hertfordshire—BRITISH SOYA PRODUCTS LTD., 3 High St., Puckeridge, Nr. Ware. Ph. 291/2/3. Chm., R. H. Rose; (3, 4) C. S. T. Hooper; (5) R. H. Rose; (7, 9) H. Pattison; (8) G. W. Pyatt; dir. of development and research, E. M. Learmonth; technical dir., F. Longworth. "Trusoy" and "Bredsoy" soy flour. Served by LNER RR.

Hull—PREMIER OIL AND CAKE MILLS LTD., Ann Watson St., Stoneferry. Ph. 41311. Plant at Isis Mills, Morley St. Subsidiary of United Premier Oil & Cake Co. Ltd. (3) C. W. Warrenner; (9) S. Bourne. Hexane solv., cap. 150 t. Storage cap. 3,000 t. "Premier" soybean oil meal, mixed feeds and pellets. Soybean operations 1/3. Served by British railways.

London, E. C. 4—BRITISH OIL & CAKE MILLS LIMITED, Unilever House, Blackfriars. Four plants in England and one in Scotland. Chm., G. Chipperfield; vice chm., A. E. Robinson; tech. dir., J. G. Collingwood. Exp. and hexane solv. "B.O.C.M. Ltd." mixed feeds and pellets. Soybean operations part time. Served by British Railways.

London, E. C. 3—SOYA FOODS LTD., Colonial House, 30/34 Mincing Lane. Ph. Mansion House 9052/3. Plant at Jacob St., Bermondsey, London S. E. 1. Affiliate of Spillers Ltd. Storage cap. 40,000 bu. "Soyolk" and "Diasoy"—full-fat soya flours. Served by British Railways.

FINLAND

Reisio—OY KASVIOLJY. Ph. Turku 29000. (1) K. E. Kivivuori; (5) Mauri Karveti. 4 exp., cap. 180 t.; solv., cap. 180 t. Storage cap. 815,000 bu. Oil meals, vegetable oils and byproducts.

FRANCE

Bordeaux—GRANDE HUILERIE BORDELAISE, 8, cours de Gourgue. Plant at 180 quai de Brazza, Bordeaux-Bastide. (1) M. Philippart. 11 screw pr., cap. 150 metric t.; solv., cap. 150 metric t. Storage cap. 10,000 metric t. "Croix-Verte" soybean oil meal; "Nutrix" mixed feeds; "Fluidor" lecithin. Served by SNCF RR.

Paris 8—HUILERIES PIERRE MARCHAND S. A., 37, Rue du General Foy. Ph. Europe 50-56. Enterprise at Petite Synthe (Nord.) (1) M. Maurice Marchand; (2) M. Andre Marchand; (7) Monsieur Andre Doyon. 10 exp., cap. 120 t.; hexane solv., cap. 75 t. Storage cap. 6,000 metric t. Soybean operations 3,000 metric tons.

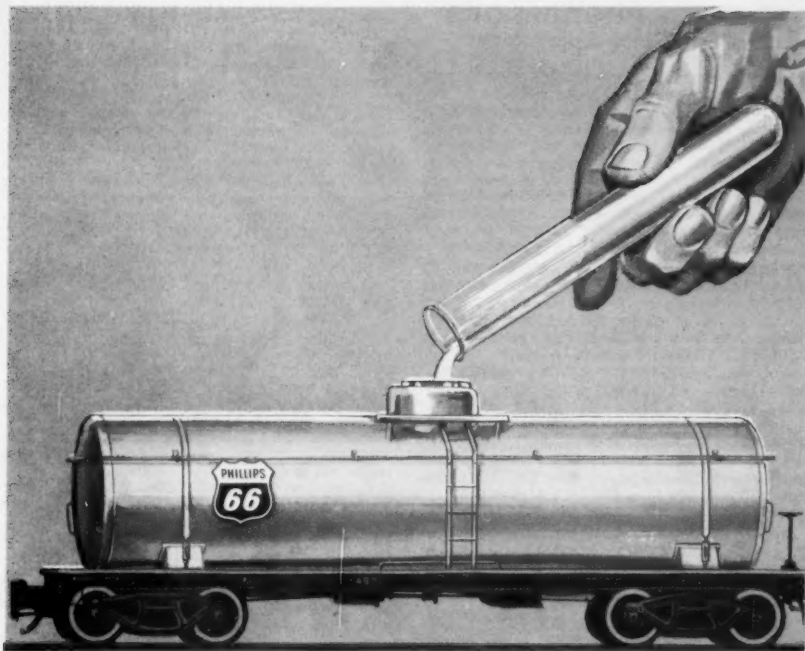
Paris 16—SOCIETE INDUSTRIELLE DES OLEAGINEUX, 59, rue de la Tour. Ph. Tracadero 59-16. Plant at Saint-Laurent-Blangy (Pas-de-Calais). (1) Michel Engrand; (5) Bernard Engrand; (6) Pierre Chateau. Solv., cap. 150 t. "S.I.O." soybean oil meal and soy flour. Soybean operations 25,000 tons annually. Served by Gare Arras/Blangy (Pas-de-Calais) RR.

Tourcoing (Nord)—P. DUMORTIER FRERES, 105, rue de Rotterdam. Ph. 74.61.00/03. (1) S. Dumortier; (2, 5) G. Dumortier. Solv., cap. 120 t. Storage cap. 3,000 t. Toasted soya meal, edible and industrial soy oil, soy flour. Soybean operations 10,000 t.

GERMANY

Emmerich/Rhein—OELWERKE NOURY & VAN DER LANDE G.m.b.H., Industrie Strasse. Ph. 2501. Affiliate of Noury & Van Der Lande, Deventer, Holland. (1) C. Bechtel; (2) L. Tyerkstra; (3) E. Korten; (4) L. Luebberts; (5) Bechtel; (6) Meyn; (7) Dr. Buschmeyer; (8) Te Laak; (9) Dr. Gulinsky. De Smet solv., cap. 350 t. Storage cap. 360,000 bu. "Vanderlande" soybean oil meal and soy flour. Soybean operations 50%. Served by Deutsche Bundesbahn RR.

Hamburg 28—STETTINER OELWERKE IN HAMBURG A. G. Ph. 386991, Telex 0211081. (1, 4, 5) Dr. Otto Tewaag; (2, 7) Mr. Tiefenbacher; (6, 8) Mr. Viergutz. 12 exp.; solv., cap. 350 t. Storage cap. 5,000 t. "Sojaschrot Imperial" soybean oil meal.



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FOREIGN PROCESSORS (Continued)

Hamburg-Harburg — HARBURGER OELWERKE BRINCKMAN & MERGELL, Seehafenstrasse 2. Ph. 77 11 41. (1) Max John Brinckman sen.; (2) K. V. v. Sydow; (2) Max John Brinckman Jr.; (2) Arnold F. Mergell; (4) W. Plett; (5) W. A. Sostmann; (6) W. Luddeke; (7) H. v. Westernhagen; (8) W. Seiffert; (9) H. Schnakenberg; chief chemist, Dr. J. Baltus. Screw pr., cap. 750 t.; German special solvent 75/85 C or hexane, cap. 750 t. Storage cap. 900,000 bu. "Hobum" soybean oil meal. On Hamburg-Unterelbe, Anschlussgleis 11 RR.

Hamburg-Harburg — F. THORL'S VEREINIGTE HARBURGER OELFABRIKEN AKTIENGESSELLSCHAFT, Schliessfach 47. Ph. Hamburg 77-12-31. (4) Beckmann; (5, 8) Dr. Schraud; (6) Halder; (9) Jeurgens. Benzine solv., cap. 750 t. Storage cap. 32,000 t. "Thorl" soybean oil meal. Soybean operations 25-30%. Served by Deutsche Bundesbahn RR.

Hamburg-Wilhelmsburg — HANSA-MUHLE A. G., Kohlbrandstr. 1. Plants for extraction, oil refining and hardening at Hamburg-Neuhof. (1) Mr. Ulrich; (7) A. Kleinhempel. 4 screw pr., cap. 360 t.; benzine solv., cap. 500 t. Storage cap. 440,000 bu. Sojaschrot "Hansacithin Extra" lecithin.

Krefeld-Uerdingen — HOLTZ & WILLEMSSEN K. G., Querstr. 30. Ph. Krefeld 43251. Mgr.: Geschaeftsfuehrer: Dr. ing. Helmut Bock, Reiner Willemssen. Benzine solv., cap. 400 t. Storage cap. 10,000 tons. "Holtz & Willemssen" meal.

Neuss/Rhein — WALTER RAU NEUSSER OELWERKE A.G., Industriest. 36.(1)Dr. W. Brinkmann.

Neuss/Rhein — C. THYWISSEN, Oelfabrik. (1) Josef, Carl and Hermann Thywissen. 17 exp., cap. 350 t.; solv., cap. 600 t. Also refining. Storage cap. 350,000 bu. Lecithin.

ISRAEL

Haifa — "SHEMEN" ISRAEL OIL INDUSTRY LTD., Box 136. Ph. 4681, 4682, 4683. Mgr. dir.: Uriel Shalom; (5) Samuel Ousiel; (7, 9) David Wittenberg. 10 screw pr., cap. 150 t. Allis-Chalmers and De Smet solv., cap. 225 t. Storage cap. 330,000 bu. "Shemen" soybean oil meal. Approximate soybean operations up to 5,000 tons monthly. Served by Haifa Port.

Petah-Tiqva — TETH-BETH LTD., P. O. Box 147. Ph. 912377/8/9. Directors, I. Trubowitz, M. Berger; (5) Food Controller of the Government of Israel; (6) J. Blattner; (9) E. Berger. Batch system and continuous extraction, cap. 250 t. Storage cap. 4,000 t. Soybean operations 10-12 months. Served by Haifa, Tel-Aviv, RR.

Tel-Aviv — CONSOLEXT LTD., P.O.B. 823. Ph. 23217/8/9. Plant at Nahlat Izhak Quarter. Subsidiary of Izhak Oil Industry of Israel Ltd. Directors, M. Lichtenstein, A. L. Lichtenstein, S. Seginer; mgr., A. Zundelewicz; (3, 4) F. Berger; (5) Food Controller of the Government of Israel; (6, 8) M. Cohen; (7, 9) S. Borock, M. E. Hexane solv., cap. 120 t. Storage cap. 3,000 t. "Consolex" soybean oil meal. Soybean operations 10-12 months. Served by Haifa, Tel-Aviv, Larry RR.

Tel-Aviv — ETZ-HAZAITH OIL & SOAP INDUSTRY, H. Leibovitz & Sons Ltd., P. O. Box 1282. Ph. 911132-4. Plant at Kiriath Arie, near Petach-Tikva. (1) Haim Leibovitz; (2) Itzhak Leibovitz; (7) Zalman Leibovitz; (9) Yehoshua Leibovitz. 6 exp., cap. 100 t.; French solv., cap. 150 t. Storage cap. 15,000 t. "Etzhazait" soy flour and 50% soybean meal. Also ground soybean hulls.

JAPAN

Honda City — ASAHI OIL CO., LTD., 143, 10-Chome, Kamezaki-Cho. Ph. No. 6, No. 21 Kamezaki. (1) S. Kojima; (3) A. Kojima; (4) Y. Yamada; (5, 8) M. Yamada; (6) H. Dogaki; (7) Y. Nakamura. Hexane solv., cap. 53 t. Storage cap. 1,500 t. "Asahi Mame" soybean oil meal. Approximate soybean operations, 25 t. per day. Served by Taketoyo Line, Japanese National RR.

Hokkaido — HOKUO OIL CO. LTD., 6 chome Nagayama-dori Asahikawa Hokkaido. Branch offices, Shinjuku, Tokyo, and Sapporo Hokkaido. Ph. 16, 5950, 5951, 5952, 8303. (1) S. Morikawa; (2, 7) E. Kita; (3) T. Morikawa; (4) I. Kita; (5) Mitsubishi Shoji Co. LTD.; (6, 8) S. Kagotani; (9) I. Wakamatsu. Hexane solv., cap. 167 t. Storage cap. 350,000 bu. "Hokuo" soybean meal and oil. Soybean operations 15,000 t. annually. Served by Hokkaido Hakodate RR.

Osaka — NIHON KORYU KOGYO CO., LTD., No. 32 Bungo-cho, Higashi-Ku. Ph. (94) 9551. Plant at Mizus hima, Kurashiki City. (1) K. Akaza wa; (2) T. Tabuchi; (3) S. Matsui; (4) Y. Miyata; (5) K. Matsumoto; (6) K. Yoshimi; (7) T. Sakakihara. 2 exp., cap. 50 t.; solv., cap. 250 t. Storage cap. 350,000 bu. "NIKKO" soybean oil and other vegetable oils and meals.

Osaka — UEDA OIL MILL CO. LTD., 1222 Hanaten-cho Jyato-ku. Ph. (33) 1456-8. (1) H. Ueda; (3) K. Inoue; (4) Y. Murakami; (5) C. Kashiwama; (6) N. Adachi; (7) Z. Morita; (8) M. Muramatsu; (9) K. Mitsukawa. 5 screw pr., cap. 50 t.; hexane solv., cap. 50 t. Storage cap. 14,000 bu. Approximate soybean operations, 1,000 tons per month. Served by National, Katamachi RR.

Osaka — YOSHIHARA OIL MILL, LTD., No. 1 Soze-cho, Kitaku. Ph. (44) 7651-7650(9). Plant at Imazu, Nishinomiya, Hyogoken. Ph. Nishinomiya 5501-5506(6). (1) J. Yoshihara; (2) H. Taniguchi; (3, 4) B. Saito; (5, 8) T. Nakamura; (6) K. Yatahiji; (7) S. Kimoto; (9) K. Miwa. Screw pr., cap. 300 t., solv., cap. 500 t. "Gotoku" soybean oil meal. Served by Tokaido RR.

Saga — RIKENOSAN KAKO CO. LTD., Otakara 375. Ph. 4184. (1) S. Uike; (2) G. Uike; (3) M. Higuchi; (4) S. Nozoe; (5, 6, 8) J. Imamachi; (7, 9) Y. Oikawa. 5 exp., cap. 20 t.; solv., cap. 75 t. Storage cap. 400,000 bu.

Tokyo — HOHNEN OIL CO., LTD., 5 2-chome Horidome-cho, Nihonbashi, Chuo-ku. Plants at Shimizu, Naruo, Sakaide. Offices in Osaka, Nagoya, Sapporo. Chm., K. Sugiyama; (1) M. Sugiyama; mg. dir., M. Hirano and M. Sugiyama. Total daily cap., 1,200 t. "Hohnen" soybean oil, meal glue, lecithin and other vegetable oils and meals.

Tokyo — NISSHIN OIL MILLS LTD., 2, 2-chome, Shinkawa Chuo-ku. Plants at Yokohama and Kobe. Ph. Tokyo (55) 9191-9195, 8191-8195. (1) Y. Sakaguchi; (4) K. Fukagawa; (5) R. Niimi; (6) K. Yamagishi; (7) Kobe plant, K. Kito; (7) Yokohama plant, G. Itoh; (8) K. Yanagawa. 44 exp., cap. 200 t.; solv., cap. 300 t.; prepress continuous solv. ext., cap. 170 t. Storage cap. 600,000 bu. "Daikyu" soybean oil meal and other vegetable meals; "NOM" soybean oil and other vegetable oils, glue, lecithin, distilled fatty acid; "Nissin" salad oil, cooking oil. Soybean operations 80,000 tons.

Yao-City — HIRANO OIL MILL LTD., 1293 Uematsu, Osaka Pref. Ph. Yao 440, 441. (1) H. Shimazu. 5 screw pr., cap. 15 t.; hexane solv., cap. 30 t. Storage cap. 20,000 bu. Mixed feeds. Approximate soybean operations 800 t. per month. Served by Kansai line of Japan National RR.

FOREIGN PROCESSORS

(Continued)

Yokkaichi — KUMAZAWA VEGETABLE OIL MFG. CO., LTD., Suehirocho 10. Ph. 4,125. (1) J. Hayashi; (3) M. Kumazawa; (9) K. Ogata, mg. dir.; J. Kuzuhara, 12 screw pr., cap. 102 t.; hexane solv., cap. 57 t. Storage cap., 81,000 bu. "Ichikawa" soybean oil meal and Shirashime cooking oil.

Yokohama—AJINOMOTO CO., INC., 30 Dai-koku-cho, Tsurumi-ku. Ph. Tsurumi 5671-6. Also plant at 2964, Suzuki-cho, Kawasaki. Head office, 7, 1-chome, Takaracho, Chuo-ku, Tokyo. Offices, 30 Broad St., New York 4, and 124 S. San Pedro St., Los Angeles 12. (1) T. Domen; (2, 5, 6) K. Suzuki; (4) Bunzo Watanabe; (7, 9) T. Ogawa. 7 screw pr. (for rapeseed only), cap. 140 t.; hexane solv., cap. 350 t. Storage cap. 800,000 bu. Soybean oil meal for own consumption. "Ajinomoto" monosodium glutamate, seasoning agent for foods; "Mieki" chemical soy sauce (liquid, MSG being partially extracted), blending material for fermented Japanese soy sauce; "Ajinomoto's" lecithin. Served by Tokaido RR.

Yokohama—SHOWA SANGYO CO., LTD. Plant at 24, Daikoku-cho, Tsurumi-ku, Yokohama. Head office at 5, Kanda-Kamakura-cho, Chiyoda-ku, Tokyo. Ph. Tokyo (29) 6161-6186. (1) K. Matsumoto; (2, 5) K. Hirano; (3, 4) K. Shimada; (6, 8) H. Katagiri; (7, 9) I. Takahashi. Prepress solv., cap. 200 t.; direct solv., cap. 378 t. Storage cap. 1,300,000 bu. "Maruni" soybean oil, meal and mixed feeds. Soybean operations 95%.

NETHERLANDS

Maassluis—OLIEFABRIEK "DE PLOEG" N.V., Hellingkade 1. Ph. 2945. Plant at Haringkade. (1,5) A. C. Verploegh; (6) A. Blankestijn. Hexane solv., cap. 240 t. "De Ploeg" super soybean meal.

Rotterdam 8 — N. V. SPEELMAN'S OLIEFABRIEKEN, Delftweg 110. Ph. 84570. (1) Speelman. Solv., cap. 100 t. "Speelman" mixed feeds.

NORWAY

Egersund—RYTTERVIK FABRIKKER. Affiliate of Jens Hetland. Ph. 91581, 91189, 91459. Solv., cap. 100 t. Storage cap. 220,000 bu. Soybean meal and raw and refined soybean oil.

Oslo—A/S DE-NO-FA og LILLEBORG FABRIKER, Sandakerveien 54. Plant at Fredrikstad. Ph. 37 18 80. Managing directors, Thv. L. Moe and Chr. Fredrik Blom Jr.; Dir. of oils and fat division, H. Torgersen; (5) Egil Gann. Solvent. Soybean operations about 20,000 t. annually. Served by Oslo-Goteborg-Kobenhavn RR.

Oslo—A/S NORSK SOYAMELFABRIK, Fr. Nansens pl. 9. Ph. 424147-427353. Plant at Larvik. Ph. 4040. (1) Jakob Berg; (2, 5, 6, 8) Chr. Fr. Ramm; (3) Finn Westby; (4) Mrs. T. Printz; (7, 9) Arne Flood; shipping mgr., V. Pahle. Exp., cap. 124 t. Storage cap. 200,000 bu. "Prota" soybean oil meal; "Vitalio" soy flour. Served by Oslo, Drammen, Larvik RR.

SWITZERLAND

Muttenz—FLORIN A.G., Oel & Fettwerke. Ph. 41 70 60. (1, 5) L. Florin; (2) B. Florin; (3, 4) A. Miesch; (6, 8) R. Florin. 8 exp., cap. 40 t. Storage cap. 800 t. "Florin" soybean meal. Soybean operations 4,000 t.

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Los Angeles—ARCHER-DANIELS-MIDLAND CO.

Los Angeles—LEVER BROS. CO., 6300 E. Sheila St.

Los Angeles—SWIFT & CO.

Oakland 9—BROOKSIDE DIVISION, Safeway Stores, Inc., 5232 Claremont Ave.

Richmond—PACIFIC VEGETABLE OIL CORP., 1145 S. 10th St.

San Francisco—BEST FOODS, div. of Corn Products Co.

San Francisco 7—PACIFIC VEGETABLE OIL CORP., 62 Townsend St. Plant at 1145 S. 10th St., Richmond. Manufacturing refiner.

Wilmington—VEGETABLE OIL PRODUCTS CO., INC., 401 Canal Ave.

GEORGIA

Atlanta—SWIFT & CO.

Macon—PROCTER & GAMBLE MFG. CO.

Savannah—SOUTHERN COTTON OIL DIV., Wesson Oil & Snowdrift Co., Inc.

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Chicago 9—ARMOUR & CO., Union Stock Yards. Plants at Chicago, Fort Worth, Chattanooga.

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Chicago—GLIDDEN CO., Durkee Famous Foods div.

Chicago—PROCTER & GAMBLE MFG. CO.

Chicago—SOUTHERN COTTON OIL DIV., Wesson Oil & Snowdrift Co., Inc.

Chicago—SPENCER KELLOGG AND SONS, INC.

Chicago 9—SWIFT & CO., Union Stock Yards. Refineries at Atlanta, Ga.; Chicago; Charlotte, N. C.; Los Angeles; Fort Worth, Tex.; Newark, N. J.; and Toronto, Ontario.

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IOWA

Belmond—GENERAL MILLS, INC.

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KENTUCKY

Louisville—GLIDDEN CO., Durkee Famous Foods div.

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Mankato—HONEYMEAD PRODUCTS CO., P. O. Box 750.

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MISSOURI

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Bayonne—COLONIAL PACKING CORP., 180-190 W. 5th St. Other plants, Italian Cook Oil Corp. and Perm Sales Co., Inc.

Bayonne—SOUTHERN COTTON OIL DIV., Wesson Oil & Snowdrift Co., Inc.

Boonton—E. F. DREW & CO., INC.

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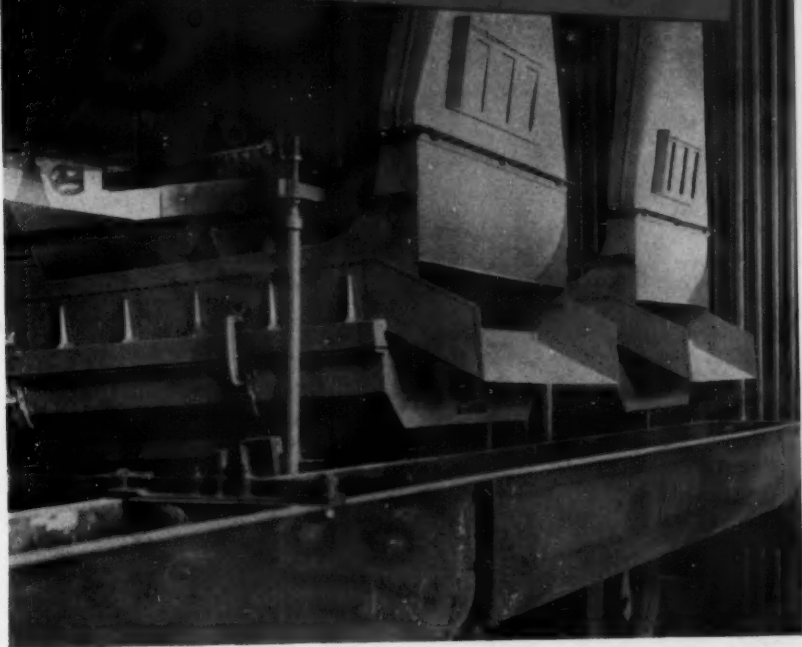
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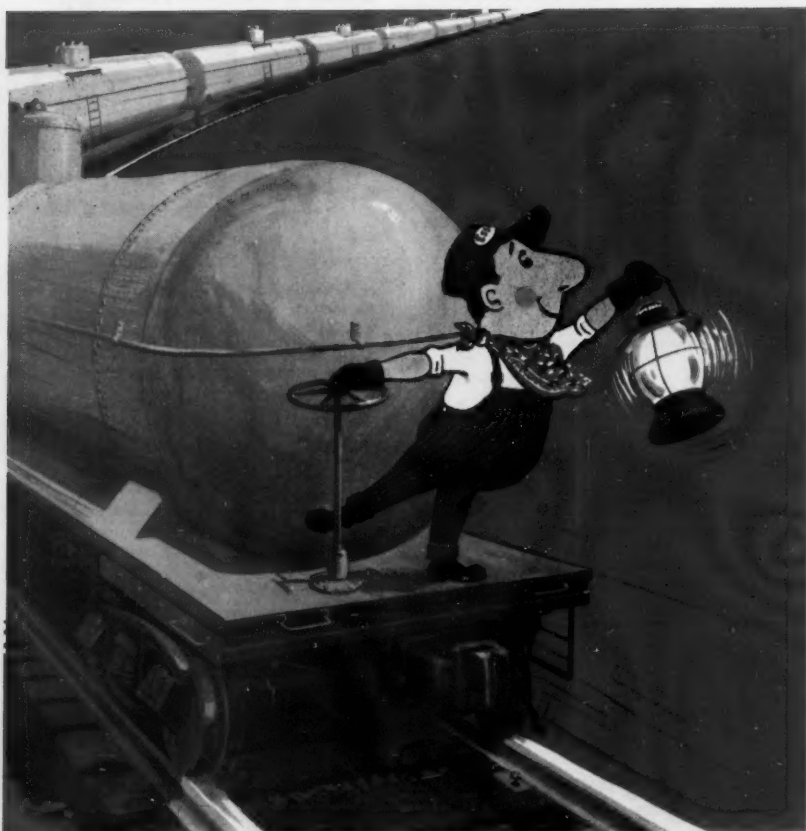
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MARGARINE—(Continued)

Atlanta 15, Ga.—MAR-GOLD CORP., 1275 Pryor Rd. S.W.
Thomasville, Ga.—ROSE-KIST FOODS, INC., 330 Smith Ave.
Chicago 9, Ill.—ARMOUR & CO., Union Stock Yards.
Chicago, Ill.—BEATRICE FOODS CO., 120 S. LaSalle St.
Chicago 90, Ill.—KRAFT FOODS DIV. of National Dairy Products Corp., 500 Peshtigo Ct.
Chicago 9, Ill.—SWIFT & CO., Union Stock Yards.
Chicago 1, Ill.—WILSON & CO., INC., Prudential Plaza.
Evanston, Ill.—ALL-FRESH FOODS, INC., 2156 Green Bay Rd.
New Orleans, La.—BLUE PLATE FOODS, INC., Box 13041, Broadmoor Sta.
Baltimore 29, Md.—J. H. FILBERT, INC., 3701 Southwestern Blvd. Also Mead Rd., P. O. Box 231, Macon, Ga.
Detroit 38, Mich.—SHEDD-BARTUSH FOODS, INC., 14401 Dexter Blvd. Plants also at Louisville 17, Ky.; Elgin, Ill.; Dallas 7, Tex.; Greenville, S. C.; Cincinnati 2, Ohio; San Francisco 11, Calif.; Omaha 2, Nebr.
Carthage, Mo.—CARTHAGE CREAMERY CO., 545 N. Main St.
Kansas City 11, Mo.—KENT PRODUCTS INC., Warnall Rd. at 42nd Terrace, P. O. Box 5857.
St. Louis 7, Mo.—THE BLANTON CO., 3400 N. Wharf.
Omaha 7, Nebr.—CUDAHY PACKING CO., Union Stock Yards.
New York 17, N. Y.—BEST FOODS, div. of Corn Products Co., 1 E. 43rd St.
New York 10, N. Y.—E. F. DREW & CO., INC., 15 E. 26th St. Plant at Boonton, N. J.
New York 22, N. Y.—LEVER BROS. CO., 390 Park Ave.
New York 22, N. Y.—STANDARD BRANDS, INC., 625 Madison Ave.
Cincinnati 14, Ohio—MERCHANTS CREAMERY CO. INC., 536 Livingston St.
Cincinnati 17, Ohio—THE MIAMI MARGARINE CO., 5226 Vine St.
Columbus 16, Ohio—CAPITAL CITY PRODUCTS CO., 525 W. 1st Ave., P. O. Box 569.
Salem, Ore.—DUTCH MAID FOOD PRODUCTS CO., INC., P. O. Box 1656.
Dallas 21, Tex.—ANDERSON, CLAYTON & CO. FOODS DIV., P. O. Box 35.
Dallas 23, Tex.—CONWAY OIL CO., 1703 Alpine St.
Fort Worth, Tex.—COLLIER INDUSTRIES, 416-500 E. 9th St.
Toronto, Ont., Canada—LEVER BROS. LTD., 299 Eastern Ave.

MEAT SUBSTITUTES

Champaign, Ill.—DIETARY FOOD STORE, 504 N. Prairie. Handler.
Olmsed Falls, Ohio—NATURAL FOODS INC. Handler.
Birdsboro, Pa.—STERNER'S SPECIAL FOODS, INC., R. 2. Manufacturer of meat substitutes.

PROTEINS

Chicago, Ill.—GRIFFITH LABORATORIES, 1415 W. 37th St. Soy protein concentrate.
Galesburg, Ill.—GUNTHER PRODUCTS, INC., 600 E. Main St. Vegetable proteins.
Worthington, Ohio—WORTHINGTON FOODS, INC., 900 Proprietors Rd. Processing and packing vegetarian protein foods.

SOYBEAN BLUE BOOK

PUDDING POWDERS

Brockville, Ont., Canada—MacDOWELL BROS., P. O. Box 141. Also at Ogdensburg, N. Y. Dietary foods.

SALAD AND COOKING OILS, SHORTENING

Oakland 9, Calif.—BROOKSIDE DIVISION, Safeway Stores, Inc., 5232 Claremont Ave.
Wilmington, Calif.—VEGETABLE OIL PRODUCTS CO., INC., 401 Canal Ave. Shortening, salad and cooking oil, flaked oils.
Savannah, Ga.—SOUTHERN COTTON OIL DIV., Wesson Oil & Snowdrift Co. Inc. Shortening.
Chicago 9, Ill.—ARMOUR & CO., Union Stock Yards. Shortening and salad oils; hydrogenated fats and oils.
Chicago, Ill.—SOUTHERN COTTON OIL DIV., Wesson Oil & Snowdrift Co. Inc. Shortening.
Decatur, Ill.—A. E. STALEY MFG. CO. Salad and cooking oil. "Edsoy."
Gretna, La.—SOUTHERN COTTON OIL DIV., Wesson Oil & Snowdrift Co. Inc. Shortening.
Opelousas, La.—OPELOUSAS OIL REFINERY, 909 Railroad Ave. Affiliate of Cotton Products Co., Inc. Also operates Opelousas Oil Mill. Vegetable oil shortening and soybean salad oil.
Baltimore 29, Md.—J. H. FILBERT, INC., 3701 Southwestern Blvd. Also Mead Rd., P. O. Box 231, Macon, Ga. Mayonnaise.
Baltimore 3, Md.—WM. SCHLUDERBERG-T. J. KURDLE CO., 3800-4000 E. Baltimore St., P. O. Box 476. Shortening, cooking and salad oil.
Detroit 38, Mich.—SHEDD-BARTUSH FOODS, INC., 14401 Dexter Blvd. Also plants at Louisville 17, Ky.; Elgin, Ill.; Dallas 7, Tex.; Greenville, S. C.; Cincinnati 2, Ohio; San Francisco 11, Calif.; Omaha 2, Nebr. Shedd's old style dressing, Shedd's salad products and salad oils.
Mankato, Minn.—HONEYMEAD PRODUCTS CO. "Savory Soy" salad oil.
Minneapolis 2, Minn.—ARCHER-DANIELS-MIDLAND CO., 700 Investors Bldg. "Archer C & S" cooking and salad oil.
St. Louis 7, Mo.—THE BLANTON CO., 3400 N. Wharf. Shortening, salad and cooking oils. Hydrogenated fats and oils.
Bayonne, N. J.—COLONIAL PACKING CORP., 180-190 W. 5th St. Other plants Italian Cook Oil Corp. and Pem Sales Co., Inc. Mayonnaise, salad dressing and French dressing.
Bayonne, N. J.—SOUTHERN COTTON OIL DIV., Wesson Oil & Snowdrift Co. Inc. Shortening.
Buffalo 5, N. Y.—SPENCER KELLOGG AND SONS, INC. "Spensoy" salad oil.
New York 17, N. Y.—BEST FOODS, div. of Corn Products Co., 1 E. 43rd St. Plants at Bayonne, N. J.; Chicago, Ill.; Dallas, Tex.; and San Francisco, Calif. "VEO" shortening.
New York 10, N. Y.—E. F. DREW & CO., INC., 15 E. 26th St. Shortening and salad oil. Plants at Boonton, N. J., and Lindsay, Calif.
New York 22, N. Y.—LEVER BROS. CO., 390 Park Ave. Plants at 101 River Rd., Edgewater, N. J.; 1200 Calumet Ave., Hammond, Ind.; 6300 E. Shella St., Los Angeles 22, Calif. Vegetable shortening.

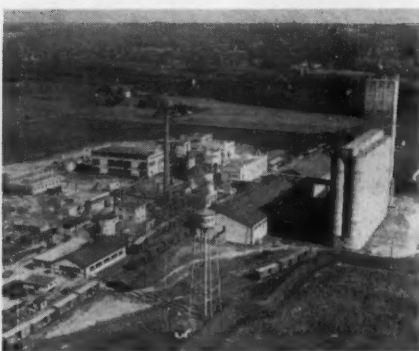
Cincinnati 17, Ohio—THE MIAMI MARGARINE CO., 5226 Vine St. Salad products.

Cincinnati, Ohio—PROCTER & GAMBLE DISTRIBUTING CO., general offices. Shortening.

Cleveland 14, Ohio—GLIDDEN CO., Durkee Famous Foods div. 900 Union Commerce Bldg. Plants at Berkeley 10, Calif.; Chicago 47, Ill.; Louisville 1, Ky. Standard and hydrogenated shortenings, cooking and salad oils.



Decatur, Illinois



Evendale, Ohio



Mankato, Minnesota

ADM PRODUCTS: Linseed, Soybean and Marine Oils, Paint Vehicles, Synthetic and Natural Resins, Fatty Acids and Alcohols, Vinyl Plasticizers, Hydrogenated Glycerides, Sperm Oil, Foundry Binders, Bentonite, Industrial Cereals, Vegetable Proteins, Wheat Flour, Dehydrated Alfalfa, Livestock and Poultry Feeds, Olefins and Hydrocarbons, Fatty Nitrogen Chemicals, Crosby Cruisers.

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are smart as little foxes,
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- Adpro isolated soy proteins
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- R-Lecin (soybean lecithin)
- Soy flour
- Bakers Nutrisoy
- Daniels' Supreme
- Kaysoy
- Nutriwhip
- Packers Granular
- Soya fatty acids
- Admex vinyl plasticizers
- Archer Booster feeds
- Aroplaz alkyd resins

Archer-Daniels-Midland



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Minneapolis 2, Minnesota

SALAD OILS, SHORTENING (Continued)

Columbus 16, Ohio—CAPITAL CITY PRODUCTS CO., 525 W. 1st Ave., P. O. Box 569. Shortening.

Oklahoma City 1, Okla.—WILSON & CO., INC., P. O. Box 1905. Standard and hydrogenated shortening, cooking and salad oils.

Chattanooga, Tenn.—LOOKOUT OIL & REFINING CO., div. of Armour & Co., 4608 Kirkland Ave. Shortenings, cooking and salad oils, hydrogenated fats and oils.

Chattanooga 1, Tenn.—WILSON & CO., INC., P. O. Box 1230. Standard and hydrogenated shortening, cooking and salad oils.

Memphis 8, Tenn.—THE CUDAHY PACKING CO., refinery, 2800 Chelsea Ave. Shortenings, salad oils, margarines.

Memphis, Tenn.—HUMKO CO., 1702 N. Thomas St. Hydrogenated vegetable shortening, salad oil.

Memphis, Tenn.—SOUTHERN COTTON OIL DIV., Wesson Oil & Snowdrift Co., Inc. Shortening.

Dallas 21, Tex.—ANDERSON, CLAYTON & CO. FOODS DIV., P. O. Box 35.

Dallas 23, Tex.—CONWAY OIL CO., 1703 Alpine St.

Fort Worth, Tex.—ARMOUR & CO. Cooking and salad oils, shortening, hydrogenated fats and oils.

Cudahy, Wis.—PATRICK CUDAHY INC. Shortening.

Toronto 9, Ont.—CANADA PACKERS LTD. Plants located at Vancouver, Edmonton, Moose Jaw, Winnipeg, Toronto, Peterborough, Hull, Montreal, Charlottetown, St. John.

Toronto, Ont., Canada—LEVER BROS. LTD., 299 Eastern Ave. Shortening.

SAUSAGE BINDERS

Chicago 39, Ill.—CENTRAL SOYA CO., INC., chemurgy div., 1825 N. Laramie Ave. Meat binders.

Chicago 12, Ill.—CUSTOM FOOD PRODUCTS, INC., 701-709 N. Western Ave. Sausage and loaf binders for sausage trade. Hamburger and loaf seasonings and binders for institutional trade.

Decatur, Ill.—SPENCER KELLOGG AND SONS, INC. Binders for sausage making and for canned dog food—"Special X" low-fat soy flour, "Meat-one" low-fat soy grits, "Kel-Sovsoy" defatted soy flour and grits.

Decatur, Ill.—A. E. STALEY MFG. CO. Meat packers' soy flour and coarse, medium and fine soy grits. Toasted and untoasted.

SEASONINGS

Chicago 12, Ill.—CUSTOM FOOD PRODUCTS, INC., 701 N. Western Ave. Manufacturer of seasonings.

Bethlehem, Pa.—GLIDDEN CO., Durkee Famous Foods div., 1001 8th Ave. Seasonings, condiments and coconut.

Birdsboro, Pa.—STERNER'S SPECIAL FOODS, INC., R. 2. Manufacturer of seasonings employing soybeans as an ingredient.

SOUPS

Chicago 12, Ill.—CUSTOM FOOD PRODUCTS, INC., 701 N. Western Ave. Manufactures complete line of soup bases.

SOYBEAN OIL

Decatur, Ill.—A. E. STALEY MFG. CO. Edible oils.

Mankato, Minn.—HONEYMEAD PRODUCTS CO.
Minneapolis 2, Minn.—ARCHER-DANIELS-MIDLAND CO., 700 Investors Bldg. Edible oil in gallon containers.

SOYBEAN BLUE BOOK

St. Louis 7, Mo.—THE BLANTON CO., 3400 N. Wharf.

Bayonne, N. J.—COLONIAL PACKING CORP., 180-190 W. 5th St. Other plants, Italian Cook Oil Corp. and Pem Sales Co., Inc. Edible oils.

New York 17, N. Y.—BEST FOODS, div. of Corn Products Co., 1 E. 43rd St. Plants at Bayonne, N. J.; Chicago, Ill.; Dallas, Tex.; San Francisco, Calif.

New York 10, N. Y.—E. F. DREW & CO., INC., 15 E. 26th St. Plants at Boonton, N. J., and Lindsay, Calif.

Syracuse, N. Y.—VEGETABLE PRODUCTS CO., 407 Hickory St., P. O. Box 1204.

Cincinnati, Ohio—PROCTER & GAMBLE DISTRIBUTING CO., P. O. Box 599. Edible oils.

Cleveland 14, Ohio—GLIDDEN CO., Durkee Famous Foods div., 900 Union Commerce Bldg. Edible oil refineries at Berkeley 10, Calif.; Louisville 1, Ky.; Chicago 47, Ill.

Columbus 16, Ohio—CAPITAL CITY PRODUCTS CO., 525 W. 1st Ave., P. O. Box 569. Edible Oil.

SOYBEANS FOR COOKING AND SPROUTING

Melrose Park, Ill.—FEARN SOYA FOODS, 1206 N. 31st Ave. "Dr. Fearn's" organically grown soybeans.

Hudson, Iowa—STRAYER SEED FARMS, INC.

SOY BUTTER

Riverside, Calif.—TOWN FOOD CO., 4664 Vine St. "Town" soy lecithin spread, an unsaturated fatty acid spread for bread.

Detroit 38, Mich.—SHEDD-BARTUSH FOODS, INC., 14401 Dexter Blvd. Plants also at Louisville 17, Ky.; Elgin, Ill.; Dallas 7, Tex.; Greenville, S. C.; Cincinnati 2, Ohio; San Francisco 11, Calif.; Omaha 2, Nebr. Manufactures "Willow Run" soy spread.

SOY CHEESE

Mt. Vernon, Ohio—LOMA LINDA FOOD CO., eastern div., P. O. Box 388.

Madison, Tenn.—MADISON FOODS, Madison College. "Chez-O-Soy."

SOY FLOUR, FLAKES AND GRITS

Alhambra, Calif.—EL MOLINO MILLS, 3060 W. Valley Blvd. Grits, meal, flour, powder.

Arlington, Calif.—LOMA LINDA FOOD CO. Packer and distributor of soy flour.

Chicago 39, Ill.—CENTRAL SOYA CO., INC., chemurgy div., 1825 N. Laramie Ave. Full-fat, low-fat and de-fatted soy flours, flakes and grits.

Chicago, Ill.—GRIFFITH LABORATORIES, 1415 W. 37th St. Flour. Grits.

Decatur, Ill.—SPENCER KELLOGG AND SONS, INC. Full-fat, low-fat and defatted flour; low-fat and defatted grits.

Decatur, Ill.—A. E. STALEY MFG. CO. Extracted hi-fat and low-fat flour, 200 mesh flour, 5% and 15% lecithinated flour. Coarse, medium, fine grits. Toasted and untoasted flour and grits.

Evansville, Ill.—ALFRED W. FRITZ, 1114 Madison St. Handlers of soybean brew flakes.

Melrose Park, Ill.—FEARN SOYA FOODS, 1206 N. 31st Ave. "Dr. Fearn's" unbleached wheat flour and soya; soy grits; low-fat soya powder.

Des Moines 9, Iowa—SOY PRODUCTS CO., 7 7th St. Soy flour, "Vitasoy."

Minneapolis 2, Minn.—ARCHER-DANIELS-MIDLAND CO., 700 Investors Bldg. Soy flour, soy grits, "ADM" soybean brew flakes.

SOY FLOUR—(Continued)

Minneapolis, Minn. — **GENERAL MILLS, INC.**, oilseeds div., 9200 Wayzata Blvd. Sales mgr., R. M. Hamilton.

Selma, N. C. — **SELMA SOYBEAN CORP.**, P. O. Box 488. "Selsoy" soy flour.

Milwaukee 2, Wis. — **REICHEL-KORFMANN CO.**, 221 E. Clybourn St. Soybean brew flakes.

Brockville, Ont., Canada — **MacDOWELL BROS.**, P. O. Box 141. Also at Ogdensburg, N. Y. Soybean flour specially processed for diabetics.

Toronto, Ont., Canada — **VICTORY SOYA MILLS LTD.**, 333 Lake Shore Blvd. East. "Indosoy," industrial soy flour; "Soywhite," fat-free flour.

SOY FLOUR MIXES

Melrose Park, Ill. — **FEARN SOYA FOODS**, 1206 N. 31st Ave. "Dr. Fearn's Soy-O" wholewheat pancake flour; also unbleached white flour and soy pancake flour; corn meal and muffin mix with soya.

Warsaw, Ind. — **GOLDEN MIX, INC.** "Golden Mix" for griddle cakes and waffles; "Frying Magic" for breading and frying.

Red Wing, Minn. — **SPECIAL FOODS CO.** Office, Citizens Fund Bldg. Plant, 2285 University Ave., St. Paul. V-10 protein bread mix.

SOY MILK

Champaign, Ill. — **DIETARY FOOD STORE**, 504 N. Prairie. Handler.

Chicago, Ill. — **CHICAGO DIETETIC SUPPLY HOUSE**, 1750 W. Van Buren St. Canned soy milk.

Melrose Park, Ill. — **FEARN SOYA FOODS**, 1206 N. 31st Ave. "Dr. Fearn's" pure soy powder for making soy milk.

Syracuse, N. Y. — **VEGETABLE PRODUCTS CO.**, 407 Hickory St., P. O. Box 1204. Soy milk powder.

Mt. Vernon, Ohio — **LOMA LINDA FOOD CO.**, eastern div., P. O. Box 388. Powdered and liquid soy milk.

Olmsted Falls, Ohio — **NATURAL FOODS INC.** Dried and liquid.

Worthington, Ohio — **WORTHINGTON FOODS, INC.**, 900 Proprietors Rd. Processing and packing powdered and liquid soy milk.

SOY SAUCE

Arlington, Calif. — **LOMA LINDA FOOD CO.**
Los Angeles 54, Calif. — **ORIENTAL FOODS, INC.**, P. O. Box 2121.

Chicago, Ill. — **GREAT CHINA FOOD PRODUCTS CO.**, 2520-58 S. State St.

Decatur, Ill. — **A. E. STALEY MFG. CO.** Soybean hydrolyzate for flavoring.

Columbie City, Ind. — **ORIENTAL SHOWYOU CO., INC.**

Archbold, Ohio — **LACHOY FOOD PRODUCTS**, div. Beatrice Foods Co.

SPROUTS

Columbie City, Ind. — **ORIENTAL SHOWYOU CO., INC.** Mung bean sprouts.

VITAMINS

New York 10, N. Y. — **E. F. DREW & CO., INC.**, 15 E. 26th St. Plant at Boonton, N. J.

WHIPPING AGENTS

Chicago 39, Ill. — **CENTRAL SOYA CO., INC.**, chemurgy div., 1825 N. Laramie Ave.

Galesburg, Ill. — **GUNTHER PRODUCTS INC.**, 600 E. Main St. Manufactures vegetable proteins and derivatives.

New Brunswick, N. J. — **W. A. CLEARY CORP.**
Also Skokie, Ill.; Belleville, Ont.

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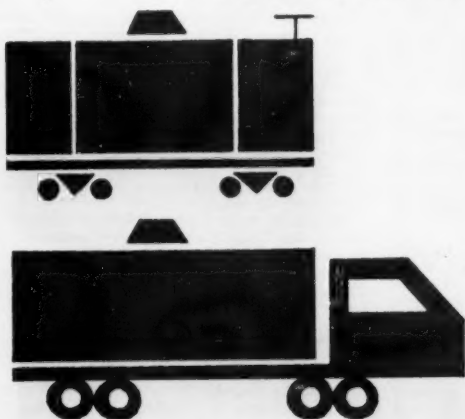
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- Toasted Soybean Millfeed

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CAULKING COMPOUNDS, FLOOR TILE

New York 16, N. Y.—JOHNS-MANVILLE, 22 E. 40th St. Caulking compounds. Floor tile.

COATED PAPERS, LEATHER DRESSING

Chicago 39, Ill.—CENTRAL SOYA CO., INC., chemurgy div., 1825 N. Laramie Ave. "Alpha" protein for paper coating, regular and high solids, used both off and on the paper machine; size press and calendar sizing; floor covering backing paints; leather finishes; latex dispersions; printing inks; textile sizing.

Decatur, Ill.—SPENCER KELLOGG AND SONS, INC. "Kelkote" pulverized commercial soy protein for protective coatings, linoleum, water emulsion paint finishes. Leather dressing.

Evendale, Ohio — ARCHER-DANIELS-MIDLAND CO., 2795 Sharon Rd. Isolated protein for use in paper coatings and board coatings.

FIRE-FIGHTING FOAM

Chicago 39, Ill.—CENTRAL SOYA CO., INC., chemurgy div., 1825 N. Laramie Ave. Soybean proteins for use in the manufacture of fire-fighting liquors.

GLUES, PLYWOOD ADHESIVES

Chicago 39, Ill.—CENTRAL SOYA CO., INC., chemurgy div., 1825 N. Laramie Ave. Soybean flour used in the manufacture of plywood adhesives.

Chicago 16, Ill.—PAISLEY PRODUCTS, INC., 1770 Canalport Ave. Glues, adhesives.

Decatur, Ill.—SPENCER KELLOGG AND SONS, INC. "Kelkote" pulverized commercial soy protein and "Soytex" adhesive soy flour. Defatted soy flakes.

Decatur, Ill.—A. E. STALEY MFG. CO. Soy products for use in manufacture of plywood adhesives.

Mankato, Minn.—HONEYMEAD PRODUCTS CO. Manufactures "Lamisoy" industrial soy flour.

Minneapolis 2, Minn.—ARCHER-DANIELS-MIDLAND CO., 700 Investors Bldg. "Kaysoy" industrial soy flours.

Seattle 4, Wash.—AMERICAN-MARIETTA CO., 3400 13th Ave. S.W. Adhesives for plywood, woodworking, and allied industries.

Seattle, Wash.—MONSANTO CHEMICAL CO., plastics div. "Monsanto" soybean glue.

INSECTICIDES

Chicago 39, Ill.—CENTRAL SOYA CO., INC., chemurgy div., 1825 N. Laramie Ave. "Spraysoy" spreader and sticker for various sprays, and emulsifier for oil emulsion sprays.

Decatur, Ill.—SPENCER KELLOGG AND SONS, INC. Defatted soy flour, low fat soy flour "Special X."

LAMINATING

Chicago 39, Ill.—CENTRAL SOYA CO., INC., chemurgy div., 1825 N. Laramie Ave. Soybean proteins for paper and paper-board laminating.

Minneapolis 2, Minn.—ARCHER-DANIELS-MIDLAND CO., 700 Investors Bldg. Soybean proteins for paper and paper board laminating.

LECITHIN

Decatur, Ill.—A. E. STALEY MFG. CO. Soy lecithin, bleached and unbleached. Fluid and regular grades. Water dispersible and granular or powdered grades available.

OILCLOTH AND COATED FABRICS

Columbus 16, Ohio—COLUMBUS COATED FABRICS CORP., 7th and Grant Aves. Oilcloth, plastic sheeting, wall coverings, upholstery materials and shade cloth.

PAINTS AND VARNISHES

Wilmington, Del.—E. I. du PONT de NEMOURS & CO., INC. Soybean oil in paints, alkyd resin varnishes.

Chicago 39, Ill.—CENTRAL SOYA CO., INC., chemurgy div., 1825 N. Laramie Ave. "Alpha" protein as an emulsifying and stabilizing agent for latex, resin and oil-in-water emulsion paints.

Chicago 11, Ill.—ILLINOIS FARM SUPPLY CO., 100 E. Ohio St. "Soyoil" paints and varnishes.

Decatur, Ill.—SPENCER KELLOGG AND SONS, INC. "Kelkote" pulverized commercial soy protein for protective coatings.

Louisville 8, Ky.—JONES-DABNEY CO., Station E, div. of Devco & Reynolds Co. Varnishes and enamels.

Norwood, Mass.—WILBUR & WILLIAMS CO. INC., 650 Pleasant St. Manufactures rust inhibitive paints, chemical resistant paints, equipment enamels.

St. Louis 7, Mo.—P. D. GEORGE CO., 5200 N. 2nd St. Exterior building paints, industrial paints, interior paints, varnishes.

St. Louis, Mo.—MONARCH PAINT CO., div. of Schulte Paint & Lacquer Mfg. Co., 639 E. Holly Ave. "Plastic Plaster" (interior) and "Plasti-Tex" (exterior) soy oil paints.

New York 17, N. Y.—HEYDEN NEWPORT CHEMICAL CORP., 342 Madison Ave. "Pentek" (Pentaerythritol, Technical), "Dipentek" (Dipentaerythritol, Technical), "Tripentek" (Tri-pentaerythritol, Technical), "Monopentek" (Monopentaerythritol) and TME (Trimethylolethane) — polyols used with soybean oil and soy fatty acids in the manufacture of synthetic drying oils, alkyd resins and varnishes.

Cleveland, Ohio — SHERWIN-WILLIAMS CO. Paints, varnishes, enamels, paint chemicals, pigments and dry colors.

Evendale, Ohio — ARCHER-DANIELS-MIDLAND CO., 2795 Sharon Rd. Isolated protein for use in water paints and inks including latex and resins emulsion types.

Pittsburgh 22, Pa.—PITTSBURGH PLATE GLASS CO., One Gateway Center. Paints, varnishes and lacquers.

Garland, Tex.—DESOTO PAINT & VARNISH CO., Forest Lane and Shiloh Rd., P. O. Box 186. Consumer and industrial enamel finishes.

PAPER SIZINGS, WALL-PAPER AND WALLBOARD COATINGS

Aurora, Ill.—GLENN DAVIDSON, P. O. Box 510. "Soyize" (technical soy flour) and "Soyein" (isolated soy protein) for use as industrial adhesives.

Chicago 39, Ill.—CENTRAL SOYA CO., INC., chemurgy div., 1825 N. Laramie Ave. "Alpha" protein for "Pro-size" sizing of paper; ground and top coats for wallpaper; insulation board coatings.

PAPER SIZINGS—(Continued)

Decatur, Ill.—SPENCER KELLOGG AND SONS, INC. Paper sizings, wallpaper and wallboard coatings.

Evendale, Ohio — ARCHER-DANIELS-MIDLAND CO., 2795 Sharon Rd. Isolated protein for use in sizing and as adhesive.

RESINS

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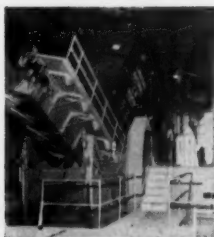
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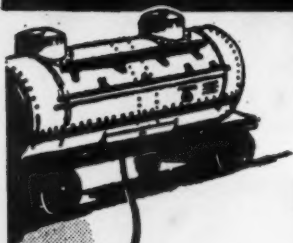
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San Diego, Calif.—ROBERT MOODY GRAIN ANALYSIS, P. O. Box 1821. Weekly commodity advisory service in soybean futures traded on the Chicago Board of Trade.

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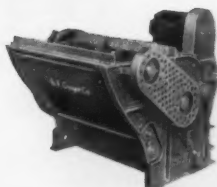


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Grand Rapids 2, Mich.—CLIPPER BELT LACER CO., 974 Front Ave. N. W. Manufacturer of belt lacing equipment.

Minneapolis, Minn.—R. R. HOWELL CO., 31st Ave. and S.E. 4th St. Bucket belts.

Minneapolis 13, Minn.—STRONG-SCOTT MFG. CO., 451 Taft St. N. E. Belting. Speed reducers.

New York 7, N. Y.—VICTOR BALATA & TEXTILE BELTING CO., 53 Park Place. Also 300 W. Hubbard St., Chicago 10. Plant at Easton, Pa. Solid-woven, canvas-stitched, neoprene-treated, hycar, and balata types of conveyor, elevator and transmission belting.

Memphis, Tenn.—DABNEY-HOOVER SUPPLY CO., 45 W. Virginia. Elevator, conveyor and power transmission belting.

Memphis, Tenn.—LEWIS SUPPLY CO., 477 S. Main St.

CHAINS

Fresno, Calif.—VALLEY FOUNDRY & MACHINE WORKS, INC., 2510 S. East Ave.

Chicago 1, Ill.—LINK-BELT CO., Dept. SBB-59, Prudential Plaza. Also at Indianapolis, Philadelphia and Colmar, Pa., Atlanta, Houston, Minneapolis, San Francisco, Los Angeles, Seattle, Toronto. Chains of all types for conveyors, elevators and drives.

Cedar Rapids, Iowa—DIVINE ENGINEERING INC., Hwy. 218 S. W., P. O. Box 1670.

Columbus 16, Ohio—JEFFREY MFG. CO., 799 N. 4th St. All types and sizes of chains.

Memphis, Tenn.—DABNEY-HOOVER SUPPLY CO., 45 W. Virginia.

Memphis, Tenn.—LEWIS SUPPLY CO., 477 S. Main St.

CONVEYORS, ELEVATORS

Birmingham, Ala. — CONTINENTAL GIN CO., industrial div. Offices at Atlanta, Dallas, Memphis, San Francisco, Chicago, Huntington W. Va., Mobile, and New York. Belt, screw, chain-flight conveyors; bucket and screw elevators.

Paragould, Ark. — WONDER STATE MFG. CO. Officer of elevating and conveying equipment.

Fresno, Calif. — VALLEY FOUNDRY & MACHINE WORKS, INC., 2510 S. East Ave.

San Francisco 7, Calif. — SHANZER MFG. CO., 85 Bluxome St. Screw conveyors. "Max-i-Pacity" hi-speed bucket elevators.

Sun Valley, Calif. — CORONA MFG. CORP., 11300 Tuxford St. Manufactures custom conveyor systems—belt type.

Aurora, Ill. — FINCO, INC., Box 968.

Aurora, Ill. — STEPHENS-ADAMSON MFG. CO. Offices in all principal cities. Plants at Aurora, Los Angeles, Clarksdale, Miss., and Belleville, Ont. Engineered installations and complete standard line of bulk materials handling equipment.

Chicago 50, Ill. — B. F. GUMP CO., 1309 S. Cicero Ave.

Chicago 1, Ill. — LINK-BELT CO., Dept. SBB-59, Prudential Plaza. Also at Indianapolis, Philadelphia and Colmar, Pa., Atlanta, Houston, Minneapolis, San Francisco, Los Angeles, Seattle, Toronto. Conveyors and elevators of all types.

Chicago 35, Ill. — MATERIALS HANDLING EQUIPMENT CO., 2619 N. Normandy Ave. Marine elevator legs, screw conveyors, bucket elevators, en masse type "Uni-Fla" elevator conveyors, special feeders and special processing machinery.

Chicago 6, Ill. — SEEDBURO EQUIPMENT CO., 794 Converse Bldg.

Chicago 3, Ill. — SUTTLE EQUIPMENT CORP., 135 S. LaSalle St. Plant at Lawrenceville. Manufacturer of portable bulk scale conveyors and portable bulk conveyors.

Chicago 4, Ill. — B. I. WELLER CO., 327 S. LaSalle. Screw conveyor and trough, bucket elevators.

Evanston, Ill. — BURROWS EQUIPMENT CO., 1316-7 Sherman Ave.

Jerseyville, Ill. — BAUGHMAN MFG. CO., INC., 1 Shipman Rd. Portable and stationary belt and screw conveyors. Belt and bucket elevators. Self-unloading and elevating material bodies.

Streator, Ill. — MYERS-SHERMAN CO., 1643 S. Illinois St. Pneumatic portable and stationary conveying equipment, pneumatic elevators.

Hammond, Ind. — SCREW CONVEYOR CORP., 757 Hoffman St. Hammond "Screw-Lifts" (vertical screw elevator); Hammond "Screw-Veyor" (horizontal or inclined screw conveyor); helicoid and sectional flight conveyor screws; screw-conveyor troughing and accessories; "Tite-Seal" screw conveyor box "U" edging and cover clamps; a complete line of standardized units including proper buckets.

Cedar Falls, Iowa — UNIVERSAL HOIST CO., 1326 Waterloo Road. Manufactures bucket elevators, belt conveyors.

Cedar Rapids, Iowa — DIVINE ENGINEERING INC., Hwy. 218 S. W., P. O. Box 1670. Conveying and elevating equipment and supplies; "Divinators"—en masse type of unit widely used in the soybean industry.

Cedar Rapids, Iowa — HAMMERMILLS, INC., 625 C Ave. N.W. Subsidiary of Pettibone Mulliken Corp. Conveyors, feeders.

Des Moines 9, Iowa — CORN STATES HYBRID SERVICE, 803 Keo Way.

Hull, Iowa — KOOIKER MFG. CO. Long reach unloading in close quarters with "Koyker" elevator and grain remover, gathering auger.

Dodge City, Kans. — MAYRATH MACHINERY CO., INC., E. Trail St.

Enterprise, Kans. — J. B. EHRSAM & SONS MFG. CO. Elevator boots, head drives, pulleys, buckets, spouting, bins, gates, hoppers and valves, conveyor idlers, trippers, rail car pullers and power shovels.

Leavenworth, Kans. — GREAT WESTERN MFG. CO. Elevators—sheet steel. Conveyors—steel spiral.

New Orleans, La. — NATIONAL BLOW PIPE & MFG. CO., INC., Claiborne, Poland, Derbigny and Kentucky Sts., P. O. Box 67. Pneumatic conveying equipment.

Grand Rapids 2, Mich. — RAPIDS-STANDARD CO., INC., Rapistan Bldg. Plants at 144 Trowbridge N.W.; and Plymouth Road N.E. "Rapistan" power, gravity, and overhead trolley conveyors, boxcar loaders.

Saginaw, Mich. — A. T. FERRELL & CO. Elevator heads and boots, complete elevating legs in standard steel construction, wood construction, super-duty steel construction. Vibrating pits, vibrating conveyors, "Lift Master" pneumatic conveyors.

Minneapolis, Minn. — BUHLER MILL ENGINEERING CO., 4207 Nicollet Ave. All mechanical and pneumatic handling equipment, including conveyors for unloading cars or ships.

Minneapolis 13, Minn. — DAY CO., 810 3rd Ave. N.E. Pneumatic conveying and cooling systems.

Minneapolis, Minn. — GERBER SHEET METAL INC., 518 S. 3rd St. Conveyor and elevator distributors; steel elevator legs.

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CONVEYORS, ELEVATORS (Continued)

Minneapolis, Minn.—R. R. HOWELL CO., 31st Ave. and S.E. 4th St. Screw and belt conveyors.

Minneapolis 1, Minn.—LINDSAY BROS. CO., 400 N. 1st St. Also at Des Moines, Omaha, Sioux Falls, Fargo and Mankato. Wholesale distributor. Augers, elevators, blowers.

Minneapolis 13, Minn.—STRONG-SCOTT MFG. CO., 451 Taft St. N.E. Elevators, conveyors, power shovels.

Thief River Falls, Minn.—FRED FORSBERG & SONS, INC.

Kansas City 8, Mo.—COMBS & CO., 2841 Southwest Blvd.

Kansas City, Mo.—MIDWEST STEEL PRODUCTS CO., Railway Exch. Bldg. Elevating equipment.

St. Louis 4, Mo.—ESSMUELLER CO.

St. Louis 22, Mo.—WESTERN RUBBER PRODUCTS CO., Box 3794. Chutes, hoppers, elbows, troughs, screw conveyors and tanks fabricated from rubber faced steel plate.

Fort Lee, N. J.—BUHLER BROS., INC., State Highway No. 4. Complete conveying systems.

Syracuse 1, N. Y.—LAMSON CORP., Lamson St. Manufactures conveyors—pneumatic, roller, belt, live roll; pneumatic tube systems for paper and samples.

Utica 1, N. Y.—MUNSON MILL MACHINERY CO., INC., 210 Seward Ave. Subsidiary of Divine Bros. Co. Elevators. Shovel for bulk unloading.

Greensboro, N. C.—GENERAL METALS INC., 858 Goldsboro St.

Raleigh, N. C.—AEROLIDE CORP., 510 Glenwood Ave., P. O. Box 1839. Bucket elevators, belt and screw conveyors.

West Fargo, N. Dak.—WEST FARGO MFG. CO., Main Ave. Manufactures portable and stationary auger elevators. Miscellaneous equipment for storage bins and elevators. Spouting.

Columbus 7, Ohio—BONDED SCALE & MACHINE CO., 74 Bellevue Ave. Portable and stationary conveyors for bulk moving of all materials. Troughing and flat belt types; bucket elevators, scraper conveyors, flight conveyors, floor-to-floor conveyors; portable power stackers and pilers; conveyor parts and parts to build conveyors; troughing idlers and conveyor belting.

Columbus 16, Ohio—JEFFREY MFG. CO., 799 N. 4th St. Conveyors and bucket elevators.

Sidney, Ohio—SIDNEY GRAIN MACHINERY CO., 424 N. Main St. Conveying equipment and elevators.

Tiffin, Ohio—WEBSTER MFG., INC. Designer and manufacturer of stationary elevating and conveying equipment.

Westerville, Ohio—J. W. HANCE MFG. CO. Elevating and conveying equipment.

Oklahoma City, Okla.—SOUTHWESTERN SUPPLY & MACHINE WORKS, 6 S.E. 4th St. "Rotor Lift" designed to elevate free flowing bulk material; bucket elevators; screw conveyors and accessories.

Muncy, Pa.—SPROUT, WALDRON & CO., INC. Screw, sliderboard belt, chain drag conveyors; bucket elevators; Pneu-Vac negative, Pneu-Flo positive; Pneu-Pac package pneumatic bulk materials handling systems; Portaflo portable pneumatic system; Feed Piper pneumatic bulk trucks.

Pittsburgh 26, Pa.—CONVAIR, Box 9671. Plant at 1059 Bay Ridge Ave. Equipment design and manufacture. Pneumatic conveyors.

York, Pa.—OLIVER CORP., A. B. Farquhar div., 142 N. Duke St. All types of conveyors for handling bulk or packaged materials.

Memphis, Tenn.—DABNEY-HOOVER SUPPLY CO., 45 W. Virginia. Screw conveyors, belt conveyors, bucket elevators, vertical screw lift, portable conveyors.

Memphis, Tenn.—J. E. DILWORTH CO., 730 S. 3rd, P. O. Box 2834. Also in Jackson, Miss., and Birmingham, Ala. Industrial supply distributor of conveying equipment.

Memphis, Tenn.—LEWIS SUPPLY CO., 477 S. Main St.

Memphis 3, Tenn.—W. C. PITTS & SON, INC., 154 N. Front St. Conveying and elevating equipment.

Memphis, Tenn.—RIECHMAN-CROSBY-HAYS CO., 223-229 S. Front St. Elevating and conveying equipment.

Burleson, Tex.—THOMAS CONVEYOR CO. INC., P. O. Box 6. Screw conveyors and elevators, bucket elevators, belt and drag conveyors.

Fort Worth, Tex.—INDUSTRIAL MACHINERY CO., INC., 2400 S. Main. Screw conveyors, bucket elevators.

Houston 7, Tex.—WRIGHT & SHIPLEY CORP., 350 W. 26th St., P. O. Box 7594. Bucket elevators, conveyors (screw and belt), hoppers.

San Antonio, Tex.—MEYER MACHINE CO., 3528 Fredericksburg Rd., P. O. Box 5096 Beacon Hill Station. Manufacturer and designer of "Simplex" conveying elevators; centrifugal discharge, continuous bucket, roller chain type bucket elevators and "Vibra-Flex" conveyors.

New London, Wis.—NEW LONDON ENGINEERING CO., 1700 Division St. Manufactures belt, portable and stationary conveyors—Moto-Belt, Cost Cutter, Light-Loader, Trough Belt, Hi Hopper.

DEFOLIANTS

New York 20, N. Y.—AMERICAN CYANAMID CO., agricultural div., 30 Rockefeller Plaza.

DRYING AND AERATION EQUIPMENT FARM DRIERS

San Francisco 7, Calif.—SHANZER MFG. CO., 85 Bluxome St. Shanzer recirculating portable crop driers.

Aurora, Ill.—FINCO, INC., Box 968.

Crystal Lake, Ill.—AMERICAN FARM EQUIPMENT CO., Automatic and manually operated crop driers—heated and natural air—drying bins, aeration systems, moisture testers.

Boone, Iowa—ROLFES GRAIN AERATION COMPANIES, 821 15th St. Design, sale and installation of crop drying equipment.

Des Moines 17, Iowa—CAMPBELL DRYER CO., 3121 Dean Ave.

Minneapolis 26, Minn.—LAKESHORE MFG. CO., 3338 Republic Ave. "Cropgard" driers.

Columbus, Nebr.—BEHLEN MFG. CO. Heated-air batch grain drier, complete with handling equipment; on-the-farm and commercial models. Sizes 260, 375, 500, 750 bu. Dries soybeans, small grain, corn and other crops.

Columbus, Nebr.—HABCO MFG. CO., Industrial site. Portable batch-type and recirculating driers.

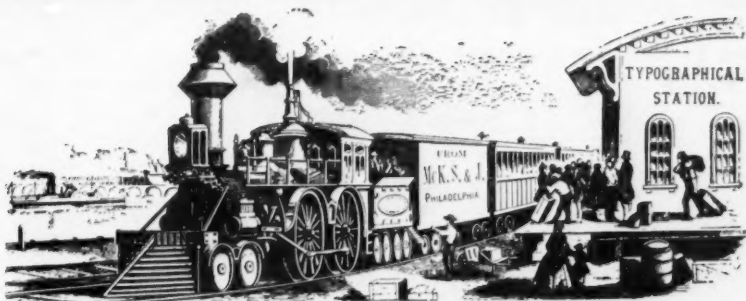
Scottsbluff, Nebr.—AIR-O-VATOR CO., INC., 1405 Ave. B. "Air-O-Vator" wind-driven grain drier which operates without heated air.

New Holland, Pa.—NEW HOLLAND MACHINE CO. Crop driers—available in electric, PTO and LP gas models.

GRAIN DRIERS

San Francisco 7, Calif.—SHANZER MFG. CO., 85 Bluxome St. "Shanzer" columnar grain and soybean driers.

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Transmission of less than 5 h.p. to the draw bar for each 100 h.p. of energy developed from the fuel makes this steam engine obsolete and uneconomical. Scientific and engineering advances in today's engines provide lower cost and more efficient transportation.

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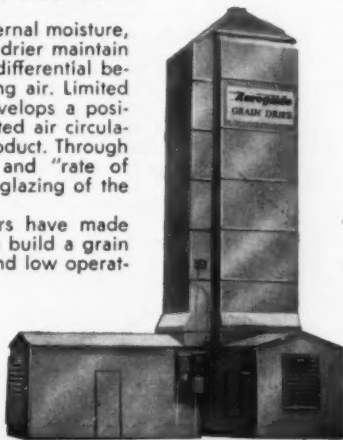
Modern scientific and engineering advances made in Aeroglide Driers do make older driers obsolete. Grain drying is an exacting process. It demands a scientific approach to such factors as ambient temperature, vaporization, optimum air speeds, heat transfer rate and material agitation.

Since excess moisture in grain is internal moisture, it is mandatory that an efficient grain drier maintain the greatest practical vapor pressure differential between the product and the surrounding air. Limited by critical temperature, Aeroglide develops a positive vapor pressure by uniformly heated air circulation, plus thorough agitation of the product. Through accurate and sensitive temperature and "rate of flow" controls, care is taken to avoid glazing of the grains outer surface.

Full comprehension of these factors have made it possible for Aeroglide engineers to build a grain drier that gives better grain quality and low operating costs.

120

Find out for yourself why an Aeroglide Grain Drier will be more profitable for you to own. We will be glad to send you an illustrated booklet of complete information backed up with facts and figures, without obligation. Write, wire or phone, now.



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DRYING EQUIPMENT (Continued).

Cicero 50, Ill.—HESS CO., 1855 S. 54th Ave. Manufacturer of drying equipment to reduce the moisture content of soybeans for process and storage.

Evanston, Ill.—BURROWS EQUIPMENT CO., 1316-7 Sherman Ave.

Boone, Iowa—ROLFES GRAIN AERATION COMPANIES, 821 15th St. Design, sale and installation of crop drying equipment.

Davenport, Iowa—DAVENPORT MACHINE & FOUNDRY CO., 1628 W. 4th St. "Rotary" soybean driers, conditioners, coolers.

Des Moines 17, Iowa—CAMPBELL DRYER CO., 3121 Dean Ave.

Des Moines 9, Iowa—CORN STATES HYBRID SERVICE, 803 Keo Way. "Campbell" grain driers. Aeration equipment.

Saginaw, Mich.—A. T. FERRELL & CO. Clipper-Randolph soybean, grains, rice and seed driers—continuous capacities from 300 bushels to 2,500 bushels per hour.

Minneapolis 1, Minn.—LINDSAY BROS. CO., 400 N. 1st St. Also at Des Moines, Omaha, Sioux Falls, Fargo and Mankato. Wholesale distributor.

North Kansas City 16, Mo.—DOUGLAS CHEMICAL CO., 620 E. 16th Ave. Grain aeration.

Columbus, Nebr.—HABCO MFG. CO., Industrial site. Continuous stationary low heat, high air volume grain drying equipment.

Raleigh, N. C.—AEROGLIDE CORP., 510 Glenwood Ave., P. O. Box 1839. Grain driers—batch and continuous type.

Piqua, Ohio—HARTZELL PROPELLER FAN CO., P. O. Box 909. Drying and conditioning equipment.

Memphis 11, Tenn.—N. HUNT MOORE & ASSOCIATES, 3373 Poplar Ave. Soybean driers, sales and engineering. For processing control and storage.

Memphis 3, Tenn.—W. C. PITTS & SON, INC., 154 N. Front St. Grain and cotton driers.

Houston 7, Tex.—WRIGHT & SHIPLEY CORP., 350 W. 26th St., P. O. Box 7594.

MEAL DRIERS

Sun Valley, Calif.—CORONA MFG. CORP., 11300 Tuxford St. Manufactures infra-red driers—batch and tunnel type.

Chicago 22, Ill.—COMBUSTION ENGINEERING INC., Raymond, Div., 1132 W. Blackhawk St. Manufactures flash drying equipment for soybean processors.

Chicago 1, Ill.—LINK-BELT CO., Dept. SBB-59, Prudential Plaza. Also at Indianapolis, Philadelphia and Colmar, Pa., Atlanta, Houston, Minneapolis, San Francisco, Los Angeles, Seattle, Toronto. Roto-Louvre, Multi-Louvre, etc.

Baltimore 24, Md.—EDW. RENNEBURG & SONS CO., 2639 Boston St. Rotary driers of all types (direct and indirect, including variable diameter "Dehydr-Mat" driers), coolers, elevators, conveyors, industrial oil burner systems.

Cleveland 2, Ohio—V. D. ANDERSON CO., 1990 W. 96th St. Rotary steam driers, solvent recovery driers.

Oreland, Pa.—ACME PROCESS EQUIPMENT CO. Direct heat, drum, cylindrical, indirect heat, rotary, spray type, steam jacketed, tray, vacuum, "Acme" hi-speed rotary film-type and multi-stage driers.

Memphis 11, Tenn.—N. HUNT MOORE & ASSOCIATES, 3373 Poplar Ave. Sales and engineering on meal driers and coolers.

San Antonio, Tex.—MEYER MACHINE CO., 3528 Fredericksburg Rd., P. O. Box 5096 Beacon Hill Station. Manufacturer and designer of "Meyer" batch driers and coolers. Automatic thermostatic controls available in single or double tray units.

Milwaukee, Wis.—ALLIS-CHALMERS MFG. CO. **Milwaukee, Wis.**—ARNOLD DRYER CO., div. of the Heil Co., 3000 W. Montana St. Dehydrators.

DUST CONTROL SYSTEMS DUST COLLECTORS

Chicago 40, Ill.—BREUER ELECTRIC MFG. CO., 5100 N. Ravenswood Ave. Dust collectors, portable blowers, industrial vacuum cleaners.

Chicago 50, Ill.—PRATER PULVERIZER CO., 1517-49 S. 55th Court.

Chicago 6, Ill.—SEEDBURO EQUIPMENT CO., 794 Converse Bldg.

Evanston, Ill.—BURROWS EQUIPMENT CO., 1316-7 Sherman Ave.

Mishawaka, Ind.—WHEELABRATOR CORP., 1405 S. Byrkit St. Dust and fume collection equipment to ventilate various processing operations. Blast cleaning equipment for maintenance and reconditioning.

New Orleans, La.—NATIONAL BLOW PIPE & MFG. CO., INC., Claiborne, Poland, Derbigny and Kentucky Sts., P. O. Box 67.

Minneapolis 13, Minn.—DAY CO., 810 3rd Ave. N.E. Dust filters and systems.

Thief River Falls, Minn.—FRED FORSBERG & SONS, INC. Bag cleaners.

Summit, N. J.—PULVERIZING MACHINERY DIV., Metals Disintegrating Co., Inc., River and Chatham Rds. Manufacturer of "Mikro-Pulsaire" for product recovery and air-conveying industrial dust control.

Syracuse 1, N. Y.—LAMSON CORP., Lamson St. Manufactures control vacuum cleaning equipment.

Cleveland 14, Ohio—FILTER FABRICS, INC., 1520 E. 17th St. Industrial dust collecting bags built to specification.

Muncy, Pa.—SPROUT, WALDRON & CO., INC. Cyclone collectors; dust and products collectors; multi-tube filter dust collectors.

Oreland, Pa.—ACME PROCESS EQUIPMENT CO. **Milwaukee 16, Wis.**—BLOWER APPLICATION CO., 3165 N. 30th St. Dust collecting systems.

ELEVATOR BUCKETS

Chicago 1, Ill.—LINK-BELT CO., Dept. SBB-59, Prudential Plaza. Also at Indianapolis, Philadelphia and Colmar, Pa., Atlanta, Houston, Minneapolis, San Francisco, Los Angeles, Seattle, Toronto. All types, including the "HS" high speed elevator buckets.

Chicago 6, Ill.—SEEDBURO EQUIPMENT CO., 794 Converse Bldg.

Chicago 4, Ill.—B. I. WELLER CO., 327 S. LaSalle St.

East St. Louis, Ill.—DURA BUKET DIV., National Oats Co., 1931 Baugh Ave. New and improved plastic "Dura-Buket."

Evanston, Ill.—BURROWS EQUIPMENT CO., 1316-7 Sherman Ave.

Moline, Ill.—K. I. WILLIS CORP.

Hammond, Ind.—SCREW CONVEYOR CORP., 757 Hoffman St. Elevator buckets ("Nu-Hy," "Winona," "Salem," "Nu-Type") and bolts.

Cedar Rapids, Iowa—DIVINE ENGINEERING INC., Hwy. 218 S. W., P. O. Box 1670.

Minneapolis, Minn.—R. R. HOWELL CO., 31st Ave. and S.E. 4th St. Buckets.

ELEVATORS BUCKETS (Continued)

Thief River Falls, Minn.—FRED FORSBERG & SONS, INC.

Kansas City 8, Mo.—COMBS & CO., 2841 Southwest Blvd.

Greensboro, N. C.—GENERAL METALS INC., 858 Goldsboro St.

Columbus 16, Ohio—JEFFREY MFG. CO., 799 N. 4th St. Elevator buckets.

Muncy, Pa.—SPROUT, WALDRON & CO. INC.

Memphis, Tenn.—DABNEY-HOOVER SUPPLY CO., 45 W. Virginia.

Memphis, Tenn.—LEWIS SUPPLY CO., 477 S. Main St.

San Antonio, Tex.—MEYER MACHINE CO., 3528 Fredericksburg Rd., P. O. Box 5096 Beacon Hill Station. Manufacturer and designer of fabricated stainless steel or cast aluminum alloy buckets.

FANS

Little Rock, Ark.—HUBERT PHELPS MACHINERY CO., 1700 E. 9th St. Seed cooling fans.

Aurora, Ill.—FINCO, INC., Box 968. Blowers.

Chicago 50, Ill.—PRATER PULVERIZER CO., 1517-49 S. 55th Court.

East Moline, Ill.—DE BOTHEZAT FANS DIV., American Machine & Metals, Inc. Certified ventilating and air moving equipment.

Evanston, Ill.—BURROWS EQUIPMENT CO., 1316-7 Sherman Ave.

New Orleans, La.—NATIONAL BLOW PIPE & MFG. CO., INC., Claiborne, Poland, Derbigny and Kentucky Sts., P. O. Box 67. Industrial fans.

Minneapolis 13, Minn.—STRONG-SCOTT MFG. CO., 451 Taft St. N.E.

Muncy, Pa.—SPROUT, WALDRON & CO., INC.

Memphis, Tenn.—DABNEY-HOOVER SUPPLY CO., 45 W. Virginia.

Memphis, Tenn.—LEWIS SUPPLY CO., 477 S. Main St.

FARM EQUIPMENT

Bloomington, Ill.—PORTABLE ELEVATOR MFG. CO. Also plant at Glencaoe, Minn. Manufactures portable farm elevators, "Roll-A-Way" conveyors, bale elevators, mow conveyors, self-unloading (gravity) wagon boxes, sub-tillers, field cultivators, truck hoists, tractor-mounted rotary snow heavers.

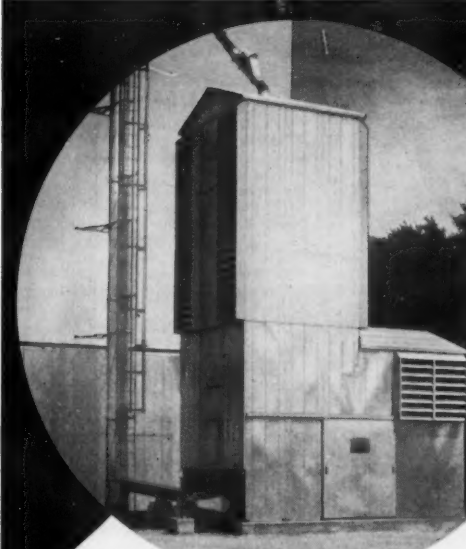
Champaign, Ill.—HARRISON CROPSAVER CO., P. O. Box 283. Manufacturer of "Crop-saver" pickup reel for combine.

Chicago 1, Ill.—INTERNATIONAL HARVESTER CO., gen. office 180 N. Michigan Ave. McCormick farm equipment, Farmall and International tractors.

Chicago 6, Ill.—OLIVER CORP., 400 W. Madison St. Manufactures combines at Battle Creek, Mich.; plows, disc harrows, cultivators, drills and planters at South Bend, Ind.; wheel tractors at Charles City, Iowa.

Mendota, Ill.—H. D. HUME CO., 812 N. Main St. Combination bat and tine pickup reels for combines and windrowers. Crop guards for fast, safe cultivation; wire winder for fencing.

McLine, Ill.—JOHN DEERE. Tractors, machines and implements for preparing seedbed and for planting, fertilizing, cultivating, and harvesting soybeans; grain driers.



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FARM EQUIPMENT (Continued)

Peoria 8, Ill.—CATERPILLAR TRACTOR CO. Diesel track-type and wheel-type tractors; motor graders; agricultural tool bars and tools; diesel engines and diesel electric sets; tractor shovels; scrapers; bulldozer blades; and cable and hydraulic controls.

Bluffton, Ind.—BELLE CITY ENGINEERING CO., P. O. Box 185. "Electric Mix-Mill"—a farm feed mill which measures, mixes and grinds—all within one unit—four component grinds.

Crawfordsville, Ind.—LIFE-TIME GATE CORP. OF INDIANA, Box 49. Manufactures "Life-Time" aluminum and "Fence-Master" galvanized steel gates and "Never-Sag" wood gates.

Valparaiso, Ind.—LANTZ MFG. CO., INC., 902-904 Calumet Ave., P. O. Box 392. Manufactures plow coulters, coulter blades, cultivator sweeps, sickle grinders.

Hull, Iowa—KODIKER MFG. CO. Row crop shields.

Dodge City, Kans.—MAYRATH MACHINERY CO., INC., E. Trail St.

Hesston, Kans.—HESSTON MFG. CO., INC. Attachments for combines—straw chopper and spreader; corn harvester (also for soybeans); soybean cutterbar extension; straw spreader; retractable finger platform auger; cylinder V-bars; triple sprocket; cylinder and concave adjustment.

Birmingham, Mich.—TRACTOR & IMPLEMENT DIV., Ford Motor Co., 2500 E. Maple Rd. "Ford" and "Fordson" tractors and "Ford" farm equipment.

Wayne, Mich.—GAR WOOD INDUSTRIES, INC. Gar Wood-St. Paul "Dump-It" low-mount farm conversion hoist for pickup and flat-bed trucks; Gar Wood-St. Paul "Frate Gate" hydraulic elevating end-gates for flat-bed trucks.

Minneapolis, Minn.—ELROY PRODUCTS CO., 1109 S. 2nd St. Affiliated with Polaris Industries Inc., Roseau, Minn. "Polaris" straw cutter and spreader.

Minneapolis, Minn.—BEN GUSTAFSON & SON MFG. CO., 6501 Cambridge St. Seed treating machinery—mist-type and slurry, drum-type and dry treaters. Builds treaters for special treating problems.

Minneapolis, Minn.—WALTER HAERTEL CO., 2840 4th Ave. S. Manufacturer of "Harco Straw Sav-all"—attachment for combine which places two windrows into one for baling straw.

Minneapolis 1, Minn.—LINDSAY BROS. CO., 400 N. 1st St. Also at Des Moines, Omaha, Sioux Falls, Fargo and Mankato. Wholesale distributor. Straw cutters, combining equipment, "Hume" reel, "Polaris" straw chopper.

Minneapolis 1, Minn.—MINNEAPOLIS-MOLINE CO. Tillage tools, visionlined tractors, planters, and harvesters specially adapted to modern soy production.

Osseo, Minn.—AMERICAN IRON WORKS, INC., 340 Central St. Manufactures "Strowmaster" device attached to rear of combine to chop and spread soybean straw; "Measur-Matic" combine measuring device.

Owatonna, Minn.—OWATONNA MFG. CO., INC. Manufacturer of self-propelled windrowers, crop driers, portable elevators, self unloading grain box.

Greensboro, N. C.—GENERAL METALS INC., 858 Goldsboro St.

West Fargo, N. Dak.—WEST FARGO MFG. CO., Main Ave. Truck bodies. Fertilizer attachment for grain drills.

Bellevue, Ohio—COCKSHUTT FARM EQUIPMENT INC. Also at Brantford and Smith Falls, Ontario, Canada. Complete line of farm equipment for the grower. Special attention given to soybean growers in development of planters, drills, combines—pull-type and self-propelled.

New Holland, Pa.—NEW HOLLAND MACHINE CO. Crimpers, crushers, crop drying wagons, crop drying fans, farm elevators, hay balers, mowers, hay rakes, bale carriers.

York, Pa.—OLIVER CORP., 142 N. Duke St. Manufacturer of "Iron Age" planters.

Milwaukee 1, Wis.—ALLIS-CHALMERS MFG. CO. Wheel and crawler tractors; moldboard and disc plows; disc harrows; field cultivators; 1, 2 and 4-row planters, grain and seed drills; 1, 2 and 4-row cultivators; pull-type and self-propelled combines; mowers; rakes; field balers; elevators; loaders; manure spreaders.

Racine, Wis.—J. I. CASE CO., 700 State St. Agricultural machinery for the production of soybeans and other crops.

Racine, Wis.—MASSEY-HARRIS-FERGUSON INC., Quality Ave. Plants at Detroit, Mich.; Wichita, Kans.; Fowler, Calif.; also in Canada and Europe. Manufactures farm tractors, combines and "Ferguson System" implements.

FERTILIZERS

Atlanta, Ga.—TENNESSEE CORP. Trace elements—manganous oxide, manganese sulfate; copper, zinc and iron sulfate; "Nu-Iron"—nutritional iron.

Chicago 6, Ill.—THOMSON PHOSPHATE DEPT., International Minerals & Chemical Corp., 20 N. Wacker Dr. Rock phosphate.

Baltimore 3, Md.—DAVISON CHEMICAL DIVISION, W. R. Grace & Co., 101 N. Charles St. Fertilizers—Davco 3G, Naco, Merco, Davco Semi-Gran, Davco liquid.

New York 7, N. Y.—AMERICAN AGRICULTURAL CHEMICAL CO., 50 Church St.

New York 20, N. Y.—AMERICAN CYANAMID CO., agricultural div., 30 Rockefeller Plaza.

Columbia, Tenn.—RUHM PHOSPHATE & CHEMICAL CO., P. O. Box 361. Phosphate.

FUMIGANTS

Chicago 31, Ill.—DOW CHEMICAL CO., 6000 W. Touhy Ave.

Chicago 6, Ill.—SEEDBURO EQUIPMENT CO., 794 Converse Bldg.

Evanston, Ill.—BURROWS EQUIPMENT CO., 1316-7 Sherman Ave.

North Kansas City 16, Mo.—DOUGLAS CHEMICAL CO., 620 E. 16th Ave. Grain sanitation products.

New York 20, N. Y.—AMERICAN CYANAMID CO., agricultural div., 30 Rockefeller Plaza.

FUNGICIDES

Richmond, Calif.—CALIFORNIA SPRAY-CHEMICAL CORP., Lucas and Ortho Way. Manufacturer and formulator of agricultural chemicals.

Naugatuck, Conn.—UNITED STATES RUBBER, Naugatuck Chemical Div. Phygon-XL, Spergon Wettable, Spergon gladiolus dust.

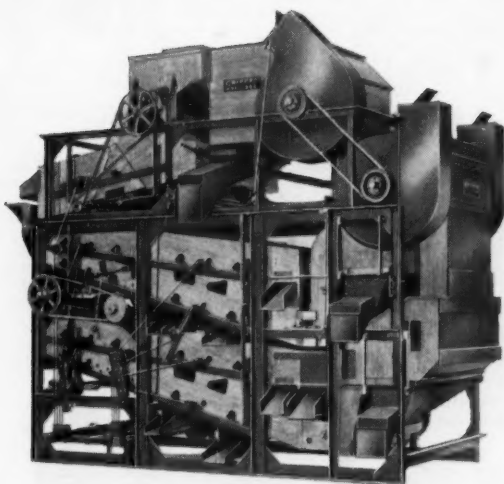
New York 7, N. Y.—AMERICAN AGRICULTURAL CHEMICAL CO., 50 Church St.

GERMINATORS

Chicago 6, Ill.—SEEDBURO EQUIPMENT CO., 794 Converse Bldg.

Evanston, Ill.—BURROWS EQUIPMENT CO., 1316-7 Sherman Ave.

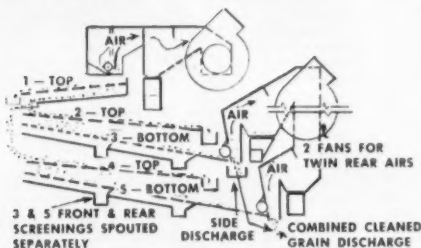
Minneapolis, Minn.—BEN GUSTAFSON & SON MFG. CO. Small seed germinators.



CRIPPEN MODEL
"MDF" 568

5 SCREENS
— 3 AIRS

Crippen "MDF" High Capacity Cleaners



IS YOUR PROBLEM
HIGH PRODUCTION? A
HIGH QUALITY FINISH-
ED PRODUCT? THEN,
CRIPPEN MODEL "MDF"

CLEANER, EITHER 5 OR 7 SCREEN MODEL, IS YOUR ANSWER!

This cleaner with its patented air system featuring three fans plus divided flow produces the highest quality finished product possible. It will pay you to investigate the advantages of Crippen "MDF" High Capacity Cleaners!



GRAIN, BEAN AND SEED CLEANERS, SEPARATORS, SCALPERS,
GRADERS AND POLISHERS

CRIPPEN MANUFACTURING COMPANY, INC.

750 Virginia St.

Alma, Michigan, U.S.A.

GRAIN AND SEED CLEANING

AND SEPARATING EQUIPMENT

Los Angeles 58, Calif. — SOUTHWESTERN ENGINEERING CO., 4800 Santa Fe Ave. Manufactures "Sweco" vibrating screen separators.

Rocky Ford, Colo. — OLIVER MFG. CO. Gravity separators and stoners.

Chicago 6, Ill. — SEEDBURO EQUIPMENT CO., 794 Converse Bldg.

Evanston, Ill. — BURROWS EQUIPMENT CO., 1316-7 Sherman Ave.

Cedar Rapids, Iowa — BARNARD & LEAS MFG. CO., INC., 1200 12th St. S.W. Scalping, screening, aspirating and other equipment for grain cleaning and grading.

Des Moines 9, Iowa — CORN STATES HYBRID SERVICE, 803 Keo Way.

Alma, Mich. — CRIPPEN MFG. CO., 750 Virginia St. Scalpers and cleaners for cleaning and grading soybeans for commercial and seedling quality.

Saginaw, Mich. — A. T. FERRELL & CO. "Clipper" — soybean cleaners, high capacity market cleaners, grain and seed cleaners, dust collectors, trash blowers, car loaders and 215 perforated steel and wire mesh screens.

Minneapolis, Minn. — BUHLER MILL ENGINEERING CO., 4207 Nicollet Ave. Complete line of seed cleaning equipment.

Minneapolis, Minn. — CLELAND MFG. CO., 2800 Washington Ave. N. "Krusow Double Spiral" separates corn from soybeans; "Expert" cleaner and grader.

Minneapolis 1, Minn. — LINDSAY BROS. CO., 400 N. 1st St. Also at Des Moines, Omaha, Sioux Falls, Fargo and Mankato. Wholesale distributor. Cleaning machinery. "Clipper" cleaners.

Minneapolis 11, Minn. — PIONEER FANNING MILL CO., 1328 N. 2nd St. "Bull Dog" fanning mill, soybean cleaner, perforated zinc replacement material for soybean cleaners.

Minneapolis 18, Minn. — SIMON-CARTER CO. Screening and aspirating equipment for high capacity handling of beans as received and ahead of driers and for refined cleaning of beans to be processed; also for removal of hulls from cracked beans.

Minneapolis 13, Minn. — STRONG-SCOTT MFG. CO., 451 Taft St. N. E. "Power-Fla" separators.

Thief River Falls, Minn. — FRED FORSBERG & SONS, INC. Gravity separators and screen cleaners, stoning separators, stoners and separators, vibrating screens.

Bracton, N. Y. — HUNTLEY MFG. CO. "Monitor" master cleaner for soybean processors.

Rochester 11, N. Y. — ERDLE PERFORATING CO., INC., 171 York St. Grain cleaning screens.

Silver Creek, N. Y. — S. HOWES CO., INC. Super cleaners, scalpers, graders.

Cincinnati 25, Ohio — ORVILLE SIMPSON CO., 1236 Knowlton St. "Rotax" screeners.

Columbus 7, Ohio — BONDED SCALE & MACHINE CO., 74 Bellevue Ave. Cleaning, sizing, grading and sorting machines.

Sidney, Ohio — SIDNEY GRAIN MACHINERY CO., 424 N. Main St. Grain cleaners.

Springfield, Ohio — BAUER BROS. CO. Permanent magnetic separators and specific gravity separators and shakers.

Westerville, Ohio — J. W. HANCE MFG. CO. Seed graders, seed treaters, seed cleaner screen material for all types fanning mills, "Super-Speed" scalping shoes for grain, beans and corn.

Oklahoma City 5, Okla. — ROSS MACHINE & MILL SUPPLY, INC., 12 N. E. 28th St.

Memphis, Tenn. — DABNEY-HOOVER SUPPLY CO., 45 W. Virginia. Cleaners and scalpers.

Dallas, Tex. — SUTTON, STEELE & STEELE, INC. "5 S & 5" gravity tables, separating screens, air float stoners.

San Antonio, Tex. — MEYER MACHINE CO., 3528 Fredericksburg Rd., P. O. Box 5096 Beacon Hill Station. Manufactures and designs "Vibraflex" feeders, blowers, vibrating units, sizing and scalping machines, separators.

GRAIN GRADING EQUIPMENT, MOISTURE TESTERS

Alhambra, Calif. — MOISTURE REGISTER CO., 1510 W. Chestnut St. "Model G5" and "Buckeye Moisture Register" — electronic moisture testing instruments for use on soybeans, soybean oil meal, and other oil-bearing and non-metallic, powdered and granular materials.

Chicago 6, Ill. — SEEDBURO EQUIPMENT CO., 794 Converse Bldg. Official equipment for testing and grading soybeans and grain. "Steinlite" moisture and oil testers.

Chicago 3, Ill. — SUTTLE EQUIPMENT CORP., 135 S. LaSalle St. Plant at Lawrenceville. Manufactures "Boerner" samplers, multiple and modified dividers.

Evanston, Ill. — BURROWS EQUIPMENT CO., 1316-7 Sherman Ave. Moisture testers.

Evanston, Ill. — GARDEN CITY INSTRUMENTS INC., 931 Sherman Ave. Moisture meter for all types of grain. Relative humidity recorders, controllers, indicators. Service, repairs and parts for Weston (Tag-Hepp) moisture meter for grain.

Macon, Ill. — RADSON ENGINEERING CORP. Radson moisture meter, models 20, TR-30, EL-57; Radson pre-set balance, models B-21, B-22; Radson test weight cylinder, models 0-50, G-150.

Saginaw, Mich. — A. T. FERRELL & CO. Hand testing screens; "Clipper" office size cleaner.

Columbus, Nebr. — BEHLEN MFG. CO. New electronic unit for on-the-farm moisture testing of all small grains.

Newark 12, N. J. — DAYSTROM-WESTON SALES DIVISION, Daystrom Inc., 614 Frelinghuysen Ave. Indicating, recording and controlling instruments; moisture meters.

Westerville, Ohio — J. W. HANCE MFG. CO. Grading machinery for industry, small capacity.

Hatboro, Pa. — MANUFACTURERS ENGINEERING & EQUIPMENT CORP., York Rd. and Sunset Lane. Manufactures industrial electronic equipment — model MS moisture meter and cottonseed oil meter.

Memphis, Tenn. — DABNEY-HOOVER SUPPLY CO., 45 W. Virginia.

GRAIN HANDLING EQUIPMENT

Batavia, Ill. — DUNBAR-KAPPLE INC. "Vac-U-Vator" pneumatic grain handler.

Chicago 6, Ill. — SEEDBURO EQUIPMENT CO., 794 Converse Bldg.

Chicago 3, Ill. — SUTTLE EQUIPMENT CORP., 135 S. LaSalle St. Plant at Lawrenceville.

Evanston, Ill. — BURROWS EQUIPMENT CO., 1316-7 Sherman Ave.

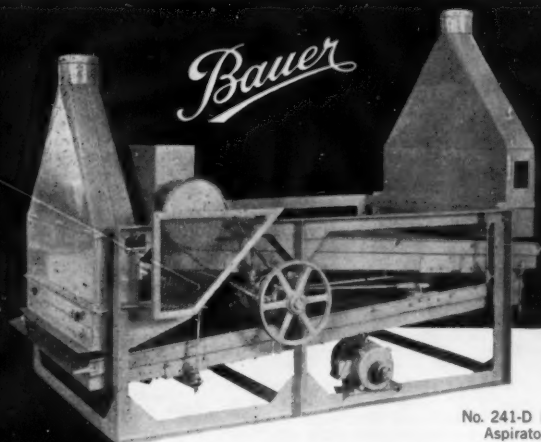
Hull, Iowa — KOOIKER MFG. CO.

Dodge City, Kans. — MAYRATH MACHINERY CO., E. Trail St.

Kansas City 8, Mo. — COMBS & CO., 2841 Southwest Blvd.

Columbus 7, Ohio — BONDED SCALE & MACHINE CO., 74 Bellevue Ave.

Memphis, Tenn. — DABNEY-HOOVER SUPPLY CO., 45 W. Virginia. All types.

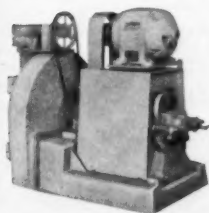


No. 241-D Hull Aspirator

SOYBEAN HULL REMOVAL

- Double classification and aspiration
- Built-in, self-cleaning ball cage sash
- Action of reciprocating deck brings hulls to the surface for more efficient aspiration
- Specially designed for companies wishing to produce 50% protein meal

SOYBEAN PRE-CRACKING



Single revolving disc attrition mill

- Engineered to effectively pre-crack and loosen hulls
- Increases life of cracking rolls
- Increases efficiency of separating equipment

OTHER EQUIPMENT

Bauer supplies Specific Gravity Separators, Scalping Shakers, Cleaners, Cake Breakers, Attrition Mills, Hammer Mills and Permanent Magnetic Separators. In addition, Bauer offers solid experience in nut and seed processing and works closely with suppliers of hydraulic, continuous screw presses and solvent processes. You'll find it profitable to rely on our engineering service! Write for details.

THE BAUER BROS. CO.

1744 Sheridan Avenue
Springfield, Ohio

GRANULATORS

Chicago 50, Ill.—PRATER PULVERIZER CO., 1517-49 S. 55th Court. For soybean expeller cake and water balls.

Muncy, Pa.—SPROUT, WALDRON & CO., INC.

GRINDING AND MIXING EQUIPMENT

Oakland 23, Calif.—MOORE DRY DOCK CO., Adeline St. Rolls for grinding and flaking mills.

San Francisco 10, Calif.—ENTERPRISE ENGINE & MACHINERY CO., 18th and Florida Sts. Subsidiary of General Metals Corp. "Vertical" grinder for preparation of soybeans, copra, cottonseed, flax seed and other oil-bearing materials.

Santa Rosa, Calif.—RIETZ MFG. CO., 150 Todd Road. Branch at West Chester, Pa. "Rietz Disintegrators" for high capacity grinding of all oil-bearing material. "Rietz Prebreakers" for coarse crushing of all kinds.

Hamden, Conn.—ENTOLETER DIV., Safety Industries, Inc., 1187 Dixwell Ave. "Entoleter" centrifugal impact mills and centrifugal mixers.

Atlanta, Ga.—DAVIDSON-KENNEDY CO., 1090 Jefferson St. N.W., P. O. Box 2427. Also P. O. Box 189, Chicago Heights, Ill. Toasters, cracking and flaking rolls, bean heaters.

Chicago 22, Ill.—COMBUSTION ENGINEERING, INC., Raymond Div., 1132 W. Blackhawk St. Manufactures pulverizing equipment for soybean processors.

Chicago 50, Ill.—PRATER PULVERIZER CO., 1517-49 S. 55th Court. Dual screen pulverizers for soybean oil meal; two stage grinding setups; special hull grinders; "Blue Streak" triple reduction mills; hammermills.

ROSKAMP GRAIN ROLLER MILLS

These roller mills are used successfully to reduce soybeans as well as to crimp or crack other grains.

The rolls are 9 inches in diameter, solid white iron. A finger-tip lever controls the flow of grain to the rolls and quick change, positive controls adjust the rolls.

Two stand mills are priced from \$1040 to \$1907.

The Best Roller Mill Value for Your Dollar.

ROSKAMP HULLER Mfg. Co., Inc.

648 Grand Boulevard,
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Chicago 6, Ill.—SEEDBURO EQUIPMENT CO., 794 Converse Bldg.

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Evenston, Ill.—BURROWS EQUIPMENT CO., 1316-7 Sherman Ave.

Streator, Ill.—MYERS-SHERMAN CO., 1643 S. Illinois St. Hammermills, molasses mixers, vertical batch mixers.

Cedar Falls, Iowa—ROSKAMP HULLER MFG. CO., INC., 650 Grand Blvd. Manufacturer of roller mills for soybean reduction. White-iron rolls.

Cedar Rapids, Iowa—BARNARD & LEAS MFG. CO., INC., 1200 12th St. S.W. Roller mills; burr mills; hammermills. Heavy duty, industrial type cracking and flaking rolls.

Cedar Rapids, Iowa—HAMMERMILLS INC., 625 C Ave. N.W. Subsidiary of Pettibone Mulliken Corp. Crushing, grinding, mixing, hashing, pulverizing and shredding equipment.

Neola, Iowa—JENSEN MILLS. Wear-sharp and self-sharpening mill hammers. Diamond efficiency.

Boston 22, Mass.—STURTEVANT MILL CO., 103 Clayton St., Dorchester. Manufactures "Whirlwind" centrifugal air separator and rotary dustless dry batch blender.

Port Huron, Mich.—BRYANT ENGINEERING CO., 1514 10th Ave. Hammermills, crushers, vertical mixer.

Minneapolis, Minn.—BUHLER MILL ENGINEERING CO., 4207 Nicollet Ave. Complete line of seed preparation equipment.

Minneapolis, Minn.—R. R. HOWELL CO., 31st Ave. and S.E. 4th St. Mixers, feed and industrial.

Minneapolis 14, Minn.—JACOBSON MACHINE WORKS, 1094 10th Ave. S.E. Hammermills.

Minneapolis 13, Minn.—STRONG-SCOTT MFG. CO., 451 Taft St. N.E. Grinders, mixers, scalpers.

St. Paul 8, Minn.—PAPER-CALMENSEN & CO., County Rd. B. and Walnut St. Pulverizing mill hammers and associated parts.

Kansas City 8, Mo.—COMBS & CO., 2841 Southwest Blvd.

St. Louis 4, Mo.—ESSMUELLER CO. Mixers, horizontal batch.

St. Louis 6, Mo.—GRUENDLER CRUSHER & PULVERIZER CO., 2915-2917 N. Market. Slow speed grinder for grinding of expeller or solvent cake. Fine grinder for fine flour, glue, plastics, chemical process and food industry.

St. Louis 6, Mo.—WILLIAMS PATENT CRUSHER & PULVERIZER CO., 2705 N. Broadway. "Meteor" grinders.

Fort Lee, N. J.—BUHLER BROS., INC., State Highway No. 4. Machine importer and manufacturer of cracking and flaking rolls.

Summit, N. J.—PULVERIZING MACHINERY DIV., Metals Disintegrating Co., Inc., River and Chatham Roads. Manufacturer of "Mikro-Pulverizer" for granular or fine grinding; "Mikro-Atomizer" for ultra-fine grinding.

Buffalo 6, N. Y.—SCHUTTE PULVERIZER CO., INC., 878 Bailey Ave. Hammermills, hammer-mill parts, mixers and molasses blenders.

Rochester 11, N. Y.—EROLE PERFORATING CO., INC., 171 York St. Perforated metals made to special order.

Silver Creek, N. Y.—S. HOWES CO., INC. Granulators, hammermills, scourers for dehulling, and mixers.

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 (LESS COST)
 NEOLA, IOWA

JENSEN MILLS
 MANUFACTURERS OF
SELF SHARPENING BLADES
WEAR SHARP HAMMERS



UNIFORM GRANULATION
 INCREASED PRODUCTION
 LESS DOWN TIME
 UP TO 30% LESS
 POWER CONSUMPTION

**METERED UNITS
 PROVE
 HAMMERS
 CAN BE A GIFT
 THRU
 POWER SAVINGS**



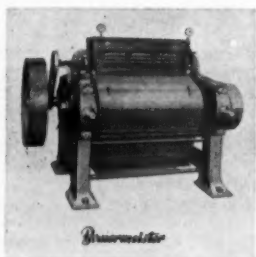
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HERMANN BAUERMEISTER'S**

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NEW HEAVY DUTY FLAKING MILLS

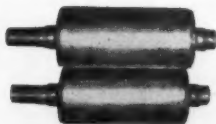
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Made in West Germany



Type 31

1. Heavy Duty SKF Roller Bearings with $\frac{1}{2}$ million hour life.
2. Hydraulic adjustment of rolls to insure uniform flake thickness.
3. Compact design to save floor space.
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6. Flaking Mills as low as \$80.00 per Tons Per Day capacity.
7. Multiple cup type springs give maximum protection at heavy loads.



SAVE ON REPLACEMENT ROLLS

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N. HUNT MOORE & ASSOCIATES, Agents

3373 Poplar Avenue

Memphis 11, Tennessee

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 Evanston, Ill. — **BURROWS EQUIPMENT CO.**, 1316-7 Sherman Ave.
 Cedar Rapids, Iowa—**BARNARD & LEAS MFG. CO., INC.**, 1200 12th St. S.W.
 Enterprise, Kans.—**J. B. EHRSAM & SONS MFG. CO.** Electric elevators and electric belt man-lifts.
 Faribault, Minn. — **HUMPHREY ELEVATOR CO.** "Humphrey" man-lift belt elevator.
 Minneapolis 13, Minn.—**STRONG-SCOTT MFG. CO.**, 451 Taft St. N.E.
 Sidney, Ohio—**SIDNEY GRAIN MACHINERY CO.**, 424 N. Main St.
 Memphis, Tenn. — **DABNEY-HOOVER SUPPLY CO.**, 45 W. Virginia.
 Memphis, Tenn.—**LEWIS SUPPLY CO.**, 477 S. Main St.

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Detroit 15, Mich.—**BIN-DICATOR CO.**, 13946 Kercheval Ave. "Bin-Dicator," "Bantam," "Roto-Bin-Dicator," "Auto-Bin-Dicator," "Bin-Flo," "Roto-Guard."
 Pittsburgh 26, Pa.—**CONVAIR**, P. O. Box 9671. Plant at 1059 Bay Ridge Ave. Equipment design and manufacturing.

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 Aurora, Ill.—**FINCO, INC.**, Box 968. Sells complete line of material handling equipment.
 Aurora, Ill.—**STEPHENS-ADAMSON MFG. CO.** Offices in all principal cities. Plants at Aurora, Los Angeles, Clarksdale, Miss., and Belleville, Ont. Engineered installations and complete standard line of bulk materials handling equipment.
 Chicago 6, Ill. — **SEEDBURO EQUIPMENT CO.**, 794 Converse Bldg.
 Evanston, Ill. — **BURROWS EQUIPMENT CO.**, 1316-7 Sherman Ave.
 Cedar Rapids, Iowa—**HAMMERMILLS INC.**, 625 C Ave. N.W. Subsidiary of Pettibone Mulliken Corp.
 Dodge City, Kans.—**MAYRATH MACHINERY CO., INC.**, E. Trail St.
 Kansas City 8, Mo.—**COMBS & CO.**, 2841 Southwest Blvd.
 Beatrice, Nebr.—**TOTE SYSTEM, INC.**, 700 S. 7th St. Affiliate of Beatrice Steel Tank Mfg. Co. "Tote System" bulk material handling equipment.
 Belleville 9, N. J.—**WALLACE & TIERNAN INC.**, 25 Main St. "Merchen" belt-type gravimetric scale feeders and meters for blending. Inventory records, process yield records, quality control, bulk loading and unloading. Feeders adaptable for either continuous or batch operations.
 Greensboro, N. C. — **GENERAL METALS INC.**, 858 Goldsboro St.
 Columbus 16, Ohio—**JEFFREY MFG. CO.**, 799 N. 4th St.
 Muncy, Pa.—**SPROUT, WALDRON & CO., INC.** Mechanical and pneumatic conveying systems; airlift feeders; rotary vane feeder valves; stream splitters.

Memphis, Tenn.—**LEWIS SUPPLY CO.**, 477 S. Main St.

Memphis 11, Tenn.—**N. HUNT MOORE & ASSOCIATES**, 3373 Poplar Ave. Sales and engineering of air conveying systems. Heavy duty high pressure feeder valves, etc.

MISCELLANEOUS EQUIPMENT

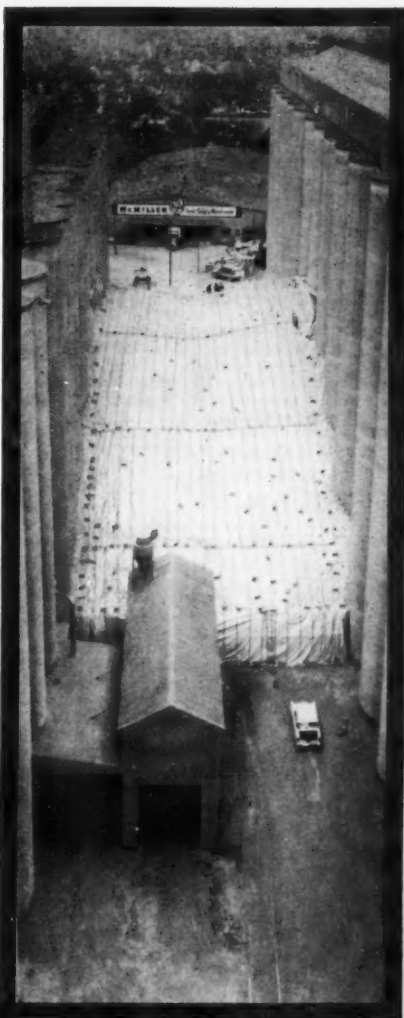
Denver 17, Colo.—**GATES RUBBER CO.**, 999 S. Broadway. Industrial hose, rubber-faced steel plate.
 Chicago 5, Ill.—**CRANE CO.**, 836 S. Michigan Ave. Complete line of valves, fittings, steam specialties, fabricated piping.
 Chicago 50, Ill. — **PRATER PULVERIZER CO.**, 1517-49 S. 55th Court. Rotary airclocks, permanent magnets.
 Chicago 47, Ill.—**SIGNODE STEEL STRAPPING CO.**, 2600 N. Western Ave., Dept. 113 SBB. Grain doors, retaining doors, retaining strips. Steel strapping, tools and accessories.
 Evanston, Ill. — **BURROWS EQUIPMENT CO.**, 1316-7 Sherman Ave.
 Cedar Rapids, Iowa — **DIVINE ENGINEERING INC.**, Hwy. 218 S. W., P. O. Box 1670. Supplier.
 South Haven, Mich. — **ACME PROTECTION EQUIPMENT CO.**, 1201 Kalamazoo St. Industrial gas masks.
 Minneapolis, Minn.—**R. R. HOWELL CO.**, 31st Ave. and S.E. 4th St. Magnets, head drives, motors.
 Minneapolis 14, Minn.—**JACOBSON MACHINE WORKS**, 1094 10th Ave. S.E. Magnetic equipment.
 St. Paul 8, Minn.—**PAPER-CALMENSEN & CO.**, County Rd. B. and Walnut St. Steel warehouse and fabricating.
 St. Louis 30, Mo.—**GEORGE P. DORRIS CO. INC.**, 750 N. Skinker Blvd. Shaft-mounted, screw driver, and base-type reducers.
 Omaha 2, Nebr.—**EATON METAL PRODUCTS CORP.**, 1301 Willis Ave. Also at Hutchinson, Kans. Fabricator of plate and sheet steel products.
 Harrison, N. J.—**WORTHINGTON CORP.**, 421 Worthington Ave. Refrigeration equipment, air and gas compressors, multi-V-drives, V-belts, drainage pumps, steam turbines, power plant equipment.
 Brooklyn 8, N. Y. — **INDUSTRIAL MARKING EQUIPMENT CO. INC.**, 655 Berriman St. Designs and manufactures conveyor line markers, printers for case numbering or dating, carton printers, multiwall bag printers, printing attachments for packaging machines.
 Cleveland 7, Ohio — **MARTINDALE ELECTRIC CO.**, 1327 Hird Ave. Manufactures industrial tools, supplies and safety equipment. Protective dust mask.
 Westerville, Ohio—**J. W. HANCE MFG. CO.** Grain valves and fittings, turn-heads, swivel spouts, 2 and 3-way valves and fittings, flexible grain pipe.
 Carnegie, Pa.—**RED JACKET CO., INC.**, 500 Bell Ave. Manufactures rubber valves for handling solids or bulk material.
 Hatboro, Pa.—**FISCHER & PORTER CO.**, 225 Warminster Rd. Complete process control instrumentation; chlorination equipment; water treatment systems; data reduction and automation systems; centralized control systems; industrial glass products.
 Orelana, Pa.—**ACME PROCESS EQUIPMENT CO.** "Acme" multi-jet barometric condensers.

THE BINS WERE FULL!

Yet Central Soya kept receiving thousands of bushels more from a bumper soybean crop. Central Soya **WOULD NOT SAY NO** to the farmers. Quick action by Hoosier saved the day! Hoosier rushed huge sections of tough, moisture-proof and rodent-proof coated nylon to Central Soya's Decatur, Indiana plant. The soybeans were covered, stored and finally processed. **NOT** a penny was lost! **NO** damage or spoilage!

Hoosier can solve your emergency and seasonal storage problems, too! Save the cost of expensive bins that are used only for occasional overflow. Hoosier's amazing Coated Nylon provides spoilage-proof storage you can use year after year . . . because **IT IS TOUGH!**

Write or phone Hoosier TODAY for complete, cost-saving details!



SOYBEAN BLUE BOOK



Hoosier

TARPAULIN & CANVAS GOODS CO., INC.

Grain Division—1302 West Washington Street
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MISCELLANEOUS EQUIPMENT—(Continued)

Memphis, Tenn. — **DABNEY-HOOVER SUPPLY CO.**, 45 W. Virginia. Magnets, electric motors, gear reducers, spouting.

Memphis, Tenn.—**J. E. DILWORTH CO.**, 730 S. 3rd, P. O. Box 2834. Also in Jackson, Miss., and Birmingham, Ala. Industrial supply distributor of motors, reducers, electric controls and instruments; heavy hardware, pipe, valves and fittings.

Memphis, Tenn.—**LEWIS SUPPLY CO.**, 477 S. Main St. Steel warehouse and equipment and supplies for the grain industry.

Memphis 11, Tenn.—**N. HUNT MOORE & ASSOCIATES**, 3373 Poplar Ave. Agents for Hermann Bauermeister flaking mills and replacement alloy and chilled iron rolls.

Dallas, Tex. — **BRIGGS-WEAVER MACHINERY CO.**, 5000 Harry Hines Blvd. Also at Fort Worth, Houston, Beaumont and Waco. Distributor of industrial machinery and supplies.

M'waukee, Wis.—**ALLIS-CHALMERS MFG. CO.** Motors, motor control drives.

PACKAGING MATERIALS

Bristol, Pa.—**PATERSON PARCHMENT PAPER CO.** Also plant at 1400 Kifer Rd., Sunnyvale, Calif. Branch offices in New York and Chicago. Manufacturer of genuine vegetable parchment. Plain and printed, rolls or sheets, for margarine, shortening and other products.

PELLET MACHINES

Los Angeles 58, Calif. — **SOUTHWESTERN ENGINEERING CO.**, 4800 Santa Fe Ave. Grain or pellet sizing equipment.

San Francisco 3, Calif.—**CALIFORNIA PELLET MILL CO.**, 1800 Folsom St. Also at Crawfordsville, Ind.; North Kansas City 16, Mo.

Muncy, Pa.—**SPROUT, WALDRON & CO., INC.** Super Ace, Pellet Ace, and Junior Ace pellet mills; Coolaire and Rotaircool coolers and driers; crumbles rolls; cleaning and grading shoes.

POWER TRANSMISSION EQUIPMENT

Birmingham, Ala. — **CONTINENTAL GIN CO.**, industrial div. Offices at Atlanta, Dallas, Mobile, Memphis, San Francisco, Chicago, Huntington, W. Va., and New York.

Aurora, Ill.—**STEPHENS-ADAMSON MFG. CO.** Offices in all principal cities. Plants at Aurora, Los Angeles, Clarksdale, Miss., and Belleville, Ont. Engineered installations and complete standard line of bulk materials handling equipment.

Chicago 1, Ill.—**LINK-BELT CO.**, Dept. SBB-59, Prudential Plaza. Also at Indianapolis, Philadelphia and Colmar, Pa., Atlanta, Houston, Minneapolis, San Francisco, Los Angeles, Seattle, Toronto. Chains, sprockets, bearings, couplings, speed reducers, gearmotors, variable speed drives, backstops, V-belt and chain drives, etc.

Evanston, Ill. — **BURROWS EQUIPMENT CO.**, 1316-7 Sherman Ave.

Mishawaka, Ind.—**DODGE MFG. CORP.** "Flexidyne" dry-fluid drives and couplings; Dodge "Para-flex" flexible cushion couplings; "Taper-Lock" bushed V-belt sheaves, sprockets, couplings (flexible, rigid and chain) and steel conveyor pulleys; "Torque-Arm" speed reducers; shaft collars; takeups; variable speed drives; Dodge roller bearing pillow blocks, "Spher-Align" spherical roller bearing pillow blocks; SC and SCM ball bearing pillow blocks; split steel transmission pulleys; roller chain; mechanical clutches.

Cedar Rapids, Iowa — **DIVINE ENGINEERING INC.**, Hwy. 218 S. W., P. O. Box 1670. Supplier of motors, flexible couplings, speed reducers, sprockets, pulleys, bearings, takeups.

Enterprise, Kans.—**J. B. EHRSAM & SONS MFG. CO.** Power transmission equipment including pulleys, gears, plain and anti-friction bearings, shafting, clutches, sprockets, pillow blocks, V-belt sheaves, flexible and rigid couplings.

Minneapolis, Minn.—**R. R. HOWELL CO.**, 31st Ave. and S.E. 4th St. Power transmission.

Minneapolis 13, Minn.—**STRONG-SCOTT MFG. CO.**, 451 Taft St. N.E. V-belt drives.

Columbus 16, Ohio—**JEFFREY MFG. CO.**, 799 N. 4th St.

Oklahoma City, Okla.—**SOUTHWESTERN SUPPLY & MACHINE WORKS**, 6 E. Chickasaw St.

Muncy, Pa.—**SPROUT, WALDRON & CO., INC.** Cast iron pulleys; belt saver pulleys.

Philadelphia 32, Pa.—**SKF INDUSTRIES, INC.**, Front St. and Erie Ave. Other plants at Hornell, N. Y.; Shippensburg and Altoona, Pa. Manufactures ball and roller bearings; pillow blocks; steel, stainless and bronze balls; Tyson tapered roller bearings.

Memphis, Tenn. — **DABNEY-HOOVER SUPPLY CO.**, 45 W. Virginia.

Memphis, Tenn.—**LEWIS SUPPLY CO.**, 477 S. Main St. Distribution of industrial supplies.

PUMPS

Fresno, Calif.—**VALLEY FOUNDRY & MACHINE WORKS, INC.**, 2510 S. East Ave. Pumps—centrifugal and rotary in stainless steel and bronze.

Cedar Falls, Iowa—**VIKING PUMP CO.** Rotary pumps for handling soybean oils and solvents.

Warren, Mass.—**WARREN PUMPS, INC.**, 572 Bridges Ave. Centrifugal, reciprocating and rotary pumps.

Grand Rapids 9, Mich.—**BLACKMER PUMP CO., INC.** Rotary power pumps, rotary hand pumps. Piston hand pumps.

Minneapolis 13, Minn.—**JEROME SIMER CO.**, 422 Stinson Blvd. Paddle pumps, bronze or stainless steel, self-priming, oil or chemical transfer pumps.

Brooklyn 1, N. Y.—**FOSTER PUMP WORKS, INC.**, 51-A Washington St. Soybean oil pumps, solvent pumps, foot pumps used in deodorizing, hydrogenating and fractionating processes.

Memphis, Tenn. — **DABNEY-HOOVER SUPPLY CO.**, 45 W. Virginia.

Memphis, Tenn.—**LEWIS SUPPLY CO.**, 477 S. Main St.

RESPIRATORS

Chicago 6, Ill.—**SEEDBURO EQUIPMENT CO.**, 794 Converse Bldg.

Evanston, Ill. — **BURROWS EQUIPMENT CO.**, 1316-7 Sherman Ave.

SEED PROTECTANTS

Richmond, Calif.—**CALIFORNIA SPRAY-CHEMICAL CORP.**, Lucas and Ortho Way. Manufacturer and formulator of agricultural chemicals. "Ortho" soybean seed protectant.

Haugetuck, Conn. — **UNITED STATES RUBBER, Neugotuck Chemical Div.** Phygon Seed Protectant, Spergon, Spergon-SL, Spergon-DDT, Spergon-DDT-SL, Thiram-75W, Thiram 50 Dust.

Wilmington, Del.—**E. I. du PONT de NEMOURS & CO., INC.**, industrial and biochemicals dept. Seed disinfectants.

Des Moines 9, Iowa—**CORN STATES HYBRID SERVICE**, 803 Keo Way.

Westerville, Ohio—**J. W. HANCE MFG. CO.** Seed treating equipment. (Fungus diseases.)

SIFTERS

Chicago 50, Ill.—B. F. GUMP CO., 1309 S. Cicero Ave.

Fort Scott, Kans.—NOR-VELL, INC., 402 E. 20th.

Silver Creek, N. Y.—S. HOWES CO., INC.

Cincinnati 12, Ohio—J. H. DAY CO., Division of Cleveland Automatic Machine Co., 4932 Beech St. "Day" sifters and "Day Roball" gyrating sifters.

Cincinnati 23, Ohio—ORVILLE SIMPSON CO., 1236 Knowlton St. "Rotex" screeners.

Muncy, Pa.—SPROUT, WALDRON & CO., INC. "Gyro-Whip" sifters; Gyro-shakers; graders.

SOIL TESTING

Arlington, Calif.—T. W. PROSSER CO., P. O. Box 515. Manufactures "Irrrometer" soil-moisture indicator.

Urbana, Ill.—URBANA LABORATORIES, 406 N. Lincoln. Materials and supplies for testing soils for deficiencies in lime, phosphorus, potassium and nitrogen. Plant tissue tests for nitrogen, phosphates and potash.

Cedar Grove, N. J.—INDUSTRIAL INSTRUMENTS, INC., 89 Commerce Road. Manufactures soil moisture testing equipment and soil salinity and soil fertilizer testing equipment.

SOYBEAN STORAGE

ELEVATOR, PROCESSOR UNITS

Paragould, Ark.—WONDER STATE MFG CO. Supplier of bins, tanks and storage facilities. "Armco" grain storage buildings.

Chicago 2, Ill.—WONDER BUILDING CORP. OF AMERICA, 30 N. LaSalle St. Manufacturing and sale of engineered trussless steel buildings for storage, processing and manufacturing.

Kankakee, Ill.—A. O. SMITH CORP., P. O. Box 28. "Permaglas" storage structures—mechanical sweep arm bottom unloader.

Indianapolis, Ind.—HOOSIER TARPAULIN & CANVAS GOODS CO., INC., grain div., 1302 W. Washington St. Moisture proof and rodent proof coated nylon tarpaulins for temporary storage.

Des Moines 9, Iowa—CORN STATES HYBRID SERVICE, 803 Keo Way.

Minneapolis 13, Minn.—DAY CO., 810 3rd Ave. N.E. Bulk storage bins.

Minneapolis, Minn.—HOGENSON CONSTRUCTION CO., 722 Flour Exch. Designer and builder of soybean storage and processing plants.

Kansas City 26, Mo.—BLACK, SIVALLS & BRYSON, INC., 7500 E. 12th. Flat steel and corrugated grain tanks.

Kansas City 26, Mo.—BUTLER MFG. CO., 7400 E. 13th St. Square and round bolted steel storage tanks.

Kansas City, Mo.—COLUMBIAN STEEL TANK CO., P. O. Box 4048-U. Bolted steel grain elevator tanks.

Kansas City, Mo.—MIDWEST STEEL PRODUCTS CO., Railway Exch. Bldg. Bolted storage, elevator-type bins.

Sikeston, Mo.—R. CLINTON CONSTRUCTION CO., Hwy. 60 West. Design and construction of soybean elevators.

Omaha 2, Nebr.—EATON METAL PRODUCTS CORP., 1301 Willis Ave. Also Kansas div. at Hutchinson. Special bean and oil storage tanks for processing plant.

Omaha, Nebr.—TILLOTSON CONTRACTING CO., Box 613. Mill and elevator construction.

Camden, Ohio—NEFF & FRY CO. Concrete stove bins.

Marietta, Ohio—MARIETTA CONCRETE DIVISION, American-Marietta Co., P. O. Box 669. Representatives in principal cities. Plants also in Baltimore and Jamestown.

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ALBERT LEA ENGINEERING CO.

3409 Yosemite Ave.
Minneapolis 16, Minn.

SOYBEAN STORAGE (Continued)

Massillon, Ohio—MICHIGAN SILO CO., Cherry Rd. N.W. Affiliate of Concrete Silo Co., Bloomfield, Ind. Concrete stave storage bins.

Springfield, Ohio—ROSS EQUIPMENT CO., 1200 Warder St. Division of William Bayley Co. Bolted steel grain storage tanks, hopper bottoms, metal fabrication.

Muskogee, Okla.—MUSKOGEE IRON WORKS, P. O. Box 1547. All steel self-filling storage buildings designed, fabricated and erected for soybean, cottonseed, peanut and grain storage.

Tulsa, Okla.—NATIONAL TANK CO., Drawer 1710. Bolted steel tanks.

Muncy, Pa.—SPROUT, WALDRON & CO., INC. Various types of storage tanks for soybean oil meal storage.

Memphis, Tenn.—DABNEY-HOOVER SUPPLY CO., 45 W. Virginia. Steel grain tanks.

Memphis, Tenn.—J. E. DILWORTH CO., 730 S. 3rd, P. O. Box 2834. Also plant at Jackson, Miss., and Birmingham, Ala. Storage bins.

Memphis 12, Tenn.—MEMPHIS CONCRETE SILO CO., 2677 Princeton Ave.

FARM UNITS

Evanston, Ill.—BURROWS EQUIPMENT CO., 1316-7 Sherman Ave. Storage bins.

Kankakee, Ill.—A. O. SMITH CORP., P. O. Box 28. "Harvestore," sealed, oxygen-free storage.

Indianapolis, Ind.—HOOSIER TARPULIN & CANVAS GOODS CO., INC., grain div., 1302 W. Washington St. Moisture proof and rodent proof coated nylon tarpaulins for temporary storage.

Middlebury, Ind.—PIONEER MANUFACTURING CO. Manufactures corrugated steel bins for storage of soybeans and other small grains.

Onawa, Iowa—GREEN GABLE DIVISION, Heneggers & Co., Inc. Prefabricated wooden grain bins.

Detroit 29, Mich.—STRAN-STEEL CORP. All-steel grain-drying storage units equipped with electric fan and ducts system to dry high moisture soybeans with natural unheated air; reversible fans for aeration of storage.

Minneapolis 1, Minn.—LINDSAY BROS. CO., 400 N. 1st St. Also at Des Moines, Omaha, Sioux Falls, Fargo and Mankato. Wholesale distributor, "Lindsay Husky Giant" grain bins.

Kansas City 26, Mo.—BLACK, SIVALLS & BRYSON, INC., 7500 E. 12th. Bolted steel grain storage tanks, "Perfection" grain storage bins, bulk feed bins and grain drying equipment.

Kansas City 26, Mo.—BUTLER MFG. CO., 7400 E. 13th St. Farm grain bins, drying and aeration equipment.

Kansas City, Mo.—COLUMBIAN STEEL TANK CO., P. O. Box 4048-U. Steel grain bins for farm storage.

Kansas City, Mo.—MIDWEST STEEL PRODUCTS CO., Railway Exch. Bldg. Grain storage bins.

Omaha 2, Nebr.—EATON METAL PRODUCTS CORP., 1301 Willis Ave. Also Kansas div., Hutchinson, Kans. Steel grain bins for farm storage.

Mansfield, Ohio—MARTIN STEEL CORP., Longview Ave. Steel bolted grain tanks, silos, drying and storage bins, corn cribs, utility and machinery buildings.

Sioux Falls, S. Dak.—SIOUX STEEL CO. Sioux steel grain bins and Sioux steel buildings.

Memphis 12, Tenn.—MEMPHIS CONCRETE SILO CO., 2677 Princeton Ave. Heavy duty grain bins.

Memphis, Tenn.—PIDGEON-THOMAS IRON CO., E. H. Crump Blvd. and S. Main St. Steel fabricating, bins, tanks, structures.

SPRAYING AND IRRIGATING EQUIPMENT

Milpitas, Calif.—W. R. AMES CO., 1001 Dempsey Rd. Manufactures all types irrigation equipment—couplers, pipe, valves, pipe on wheels and skids, boom-type sprinkler.

Aurora, Ill.—FINCO, INC., Box 968. Spraying equipment. Self-propelled high-clearance sprayers.

Chicago 6, Ill.—SEEDBURO EQUIPMENT CO., 794 Converse Bldg.

Pella, Iowa—VERMEER MFG. CO. Manufactures irrigation sprinklers and pump drives.

Dodge City, Kans.—MAYRATH MACHINERY CO., INC., E. Trail St.

Needles, Kans.—AIROSPRAYER CO., P. O. Box 269. Manufacturer of power and hand "Airo-sprayer."

Detroit 11, Mich.—CHAMPION SPRAYER CO., 6509 Heintz Ave. "Champion" sprayers and dusters for applying insecticides and fungicides for weed and insect control and defoliants. Parts and accessories.

Columbus, Nebr.—HABCO MFG. CO. Irrigation equipment—aluminum irrigation pipe, gates, fittings, and couplings.

Greensboro, N. C.—GENERAL METALS INC., 858 Goldsboro St.

Ashland, Ohio—F. E. MYERS & BRO. CO. Complete line of engine-driven and power take-off trailer-type power sprayers. Front and rear mounted tractor sprayers. Row crop concentrate sprayers and attachments.

Cleveland 13, Ohio—ENGINE PARTS MFG. CO., 1360 W. 9th St. Boom sprayers for tractor and trailer; hand-type "Yellow Devil" sprayers; "En-parco" nylon roller pumps. Pre-emergence sprayers. Hi-clearance self-propelled sprayers.

York, Pa.—OLIVER CORP., 142 N. Duke St. "Iron Age" row crop and weed sprayers.

TEMPERATURE SYSTEMS

Skokie 60, Ill.—POWERS REGULATOR CO., 3400 Oakton St. Temperature and humidity control systems for processing and space conditioning.

Boone, Iowa—ROLFES ELECTRONICS CORP., P. O. Box 548. Designs, sells and installs multi-point temperature scanning systems for flat, small bins, and vertical grain storage.

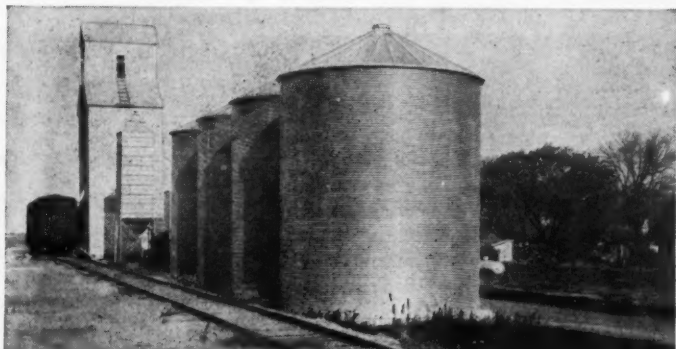
Des Moines 9, Iowa—HOT SPOT DETECTOR, INC., 214 3rd St. Manufactures and installs Hot Spot detector systems for measuring temperatures in grain storage bins, including portable and electronic units, automatic scanning and automatic recording measuring systems. Also completely engineered aeration systems, including portable and permanent installations for flat and upright storage.

Des Moines 9, Iowa—ZELENY THERMOMETER SYSTEM, 214 3rd St. Thermometer system for taking temperature of soybeans or grains in storage. Also completely engineered aeration systems for both flat and upright storage.

St. Paul 1, Minn.—PTC CABLE CO., 200 Anchor Bldg. Electronic temperature indicating equipment. For all soybeans, grains, cottonseed, etc., all types and sizes storage areas. Custom-engineered for maximum protection at minimum cost against losses due to moisture and insects.

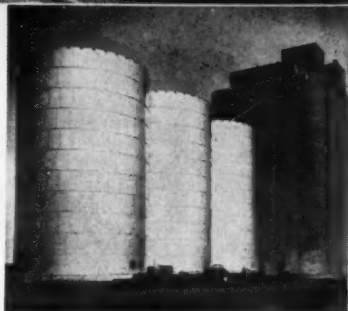
Memphis, Tenn.—LEWIS SUPPLY CO., 477 S. Main St.

MAKE MORE MONEY ON SOYBEANS WITH BS&B STORAGE EQUIPMENT!



BS&B Grain Bins, now available in conventional sizes from 1,000 to 4,000 bu., and in "King Sizes" from 6,000 to 15,000 bu., provide lowest cost, quickly erected additional storage to meet every requirement.

BS&B Bolted Steel Grain Tanks can also be quickly erected to store any volume of grain, feed products, or fish and vegetable oils.



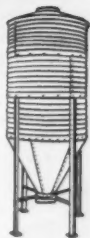
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Grain Storage Experts!



BS&B Bulk Feed Tanks, available in farm, dealer or manufacturer sizes, help to lower costs and raise profits in feed manufacturing and distribution.

BS&B All-Purpose Metal Grain Storage Buildings safely store and condition all grains, including ear corn, in quantities of 30,000 bu. and up.



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BLACK, SIVALLS & BRYSON, INC.

Agricultural Division—Dept. 10-GA
7500 East 12th St. Kansas City 26, Mo.

Member, American Dehydrators Association
Associate Member, Grain & Feed Dealers National Association

TRANSPORTATION EQUIPMENT

Chicago 90, Ill.—GENERAL AMERICAN TRANSPORTATION CORP., 135 S. La Salle St. "Airsides" cars designed for transportation of dry, granular or powdered commodities.

Chicago 4, Ill.—KEITH RAILWAY EQUIPMENT CO. (Keith Tank Line), 332 S. Michigan Ave. Also 681 Market St., San Francisco, and Longview, Tex. Owner and operator of tank cars to transport soybean oil.

Detroit 32, Mich.—FRUEHAUF TRAILER CO., 10940 Harper Ave. Plants at Decatur, Ala.; Fresno and Los Angeles; Fort Wayne, Ind.; Cedar Rapids, Iowa; Westfield, Mass.; Omaha, Nebr.; Avon Lake and Delphos, Ohio; Memphis, Tenn.; Toronto. Volume vans, bulk commodity tanks, grain and soybean haulers.

TRUCK LIFTS

Aurora, Ill.—FINCO, INC., Box 968. Wagon and truck hoists.

Chicago 6, Ill.—SEEDBURO EQUIPMENT CO., 794 Converse Bldg.

Evanston, Ill.—BURROWS EQUIPMENT CO., 1316-7 Sherman Ave.

Hammond, Ind.—SCREW CONVEYOR CORP., 757 Hoffman St. "Kewanee" hydraulic truck dumpers and overhead lifts.

Hull, Iowa—KOOKER MFG. CO. Twin and single cylinder hoists.

Enterprise, Kans.—J. B. EHRSAM & SONS MFG. CO. Truck hoists; semi-trailer platform dumps.

Minneapolis 13, Minn.—AIR-O-FLEX EQUIPMENT CO., INC., 3030 E. Hennepin Ave. Manufactures a complete line of pneumatically and hydraulically powered truck lifts and grain dumpers for country and terminal elevators. Also railroad boxcar grain and other bulk materials.

Minneapolis, Minn.—R. R. HOWELL CO., 31st Ave. and S.E. 4th St. Truck dumps.

Sidney, Ohio—SIDNEY GRAIN MACHINERY CO., 424 N. Main St. Truck dumps.

Memphis, Tenn.—DABNEY-HOOVER SUPPLY CO., 45 W. Virginia.

Memphis, Tenn.—LEWIS SUPPLY CO., 477 S. Main St.

UNLOADERS

Little Rock, Ark.—HUBERT PHELPS MACHINERY CO., 1700 E. 9th St. Pneumatic unloaders for trucks or boxcars.

Chicago 1, Ill.—LINK-BELT CO., Dept. SBB-59, Prudential Plaza. Also at Indianapolis, Philadelphia and Colmar, Pa., Atlanta, Houston, Minneapolis, San Francisco, Los Angeles, Seattle, Toronto. R. R. car unloaders and hydraulic truck dumpers for handling soybeans, grain, etc.

Evanston, Ill.—BURROWS EQUIPMENT CO., 1316-7 Sherman Ave.

Adel, Iowa—STRAIGHT ENGINEERING CO. Hydraulic bulk boxcar unloader; drier paddles; truck dump.

Gilman, Iowa—BUERKENS CORP., P. O. Box 135. Manufactures hydraulic unloaders, false end gate type.

Memphis, Tenn.—LEWIS SUPPLY CO., 477 S. Main St.

WATERPROOFING

Des Moines 9, Iowa—TUFCRETE CO., INC., 519 Teachout Bldg. "Tuftite" for below grade, from inside of building; "Tufseal" above grade, from outside of building.

Hutchinson, Kans.—SUPPLY SERVICE, INC., 1326 E. Avenue "A". "Binkote," developed especially for grain elevators.

Philadelphia 8, Pa.—STONHARD CO. INC., 401 N. Broad St. Building maintenance and construction materials. Waterproofing, oil resistant flooring, permanent caulking and crack filling.

WEIGHING AND PACKAGING EQUIPMENT

Aurora, Ill.—FINCO, INC., Box 968. Automatic baggers.

Chicago 50, Ill.—B. F. GUMP CO., 1309 S. Cicero Ave. Automatic weighers.

Chicago 6, Ill.—SEEDBURO EQUIPMENT CO., 794 Converse Bldg. Scales.

Evanston, Ill.—BURROWS EQUIPMENT CO., 1316-7 Sherman Ave.

Hoopston, Ill.—FOOD MACHINERY & CHEMICAL CORP., canning machinery div. Labelers, boxers and filling machines—liquid, oil, viscous, and granular products.

Terre Haute, Ind.—WINSLOW GOVERNMENT STANDARD SCALE WORKS, INC., 25th and Haythorne Ave. Motor truck scales, platform type; floor type or warehouse scales; grain hopper scales; batching scales. Beam or dial equipment.

Cedar Rapids, Iowa—BARNARD & LEAS MFG. CO., INC., 1200 12th St. S.W. All electric and line-shaft driven auger packers.

Pembroke, Mass.—THAYER SCALE CORP. Manufactures packaging scales, process scales, checkweighers, batchers, continuous weighing feeders.

Quincy 71, Mass.—PNEUMATIC SCALE CORP., LTD., 65 Newport Ave. Automatic packaging and bottling machinery.

Minneapolis, Minn.—R. R. HOWELL CO., 31st Ave. and S.E. 4th St. Scales.

Clifton, N. J.—RICHARDSON SCALE CO., 668 Van Houton Ave. Automatic weighing, sacking and proportioning equipment.

Brooklyn, N. Y.—DETECTO SCALES, INC., 540 Park Ave. Manufactures retail store and industrial scales.

Buffalo, N. Y.—BUFFALO SCALE CO., INC., 46 Letchworth St. Manufactures industrial scales; automatic batching scales.

New York 13, N. Y.—AUTOMATIC SCALE CO., INC., 180 Lafayette St. Also Hanncon Machine Co. Automatic weighing and bagging machinery.

New York 17, N. Y.—BAG DIVISION, St. Regis Paper Co., 150 E. 42nd St. Packaging equipment.

New York 17, N. Y.—INTERNATIONAL PAPER CO., bagpak div., 220 E. 42nd St. Plants at Camden, Ark., Mobile, Ala., and Bastrop, La. Bag filling, weighing and closing machinery.

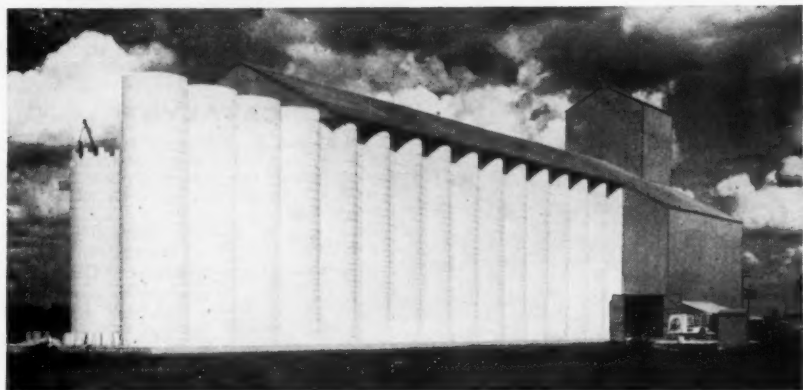
Silver Creek, N. Y.—S. HOWES CO., INC. Bagging scales.

Cincinnati, Ohio—KARL KIEFER MACHINE CO., 919 Martin St. Equipment for cleaning, filling, closing, and conveying containers used in packaging of liquid and viscous materials. Aerosol charging machines. Lid dispensers and sealers for friction top cans.

Sidney, Ohio—SIDNEY GRAIN MACHINERY CO., 424 N. Main St. Scales.



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Biggest Builders in the South — and Southwest

Throughout the South and Southwest we have built more concrete stave storage structures than any other firm in our field. And for the past 10 years, 40-percent of our annual business has come from those who already own one or more of our structures. Such satisfaction in our service is probably unmatched in the field of grain bins construction. From the moment we undertake a new job until the final stave is in place, the responsibility of quality in

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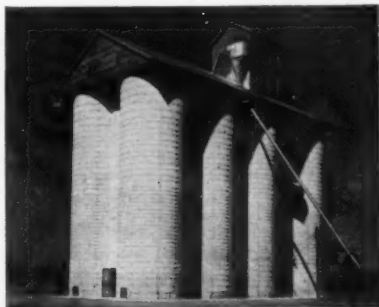
Our catalog is a folio of pictures showing many of the fine storage structures we have built for well known firms and individuals throughout the South and Southwest. A copy will be sent upon request—and without obligation.

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or TEXAS CONCRETE SILO CO.
Eagle Lake, Texas

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materials and dependable workmanship is squarely upon our shoulders. Let us figure on your storage requirements. We can save you up to 20-percent on the cost as compared to other types of construction and materials. Furthermore, the finished bins will more than fulfill ALL REQUIREMENTS for the safe and economical storage of beans.



SOYBEAN PROCESSING AND OIL REFINING EQUIPMENT AND SUPPLIES

BLEACHING AND FILTERING EQUIPMENT

Fresno, Calif.—VALLEY FOUNDRY & MACHINE WORKS, INC., 2510 S. East Ave. Filter presses.

Los Angeles 17, Calif.—DICALITE DEPARTMENT, Great Lakes Carbon Corp., 612 S. Flower St. Other offices at 333 N. Michigan Ave., Chicago 1, Ill.; 18 E. 48th St., New York 17, N. Y. Manufactures diatomaceous earth filteraids for filtration of soybean oil or any other liquids or liquor concerned in processing soy products.

Los Angeles 23, Calif.—FILTRAL CORP., 3250 E. Washington Blvd. Plants at Vernon, Calif.; Jackson, Miss.; Salt Lake City, Utah. Activated adsorbents, decolorizing adsorbents, desiccants, activated bleaching clays, activated bleaching earths. Alumina for dehydration.

Stamford, Conn.—DORR-OLIVER INC. Continuous vacuum and pressure filters.

Wilmington, Del.—ATLAS POWDER CO. "Darco" activated carbons, "Atlas Powder Co." purifying by physical adsorption.

Chicago 16, Ill.—FILPACO INDUSTRIES, INC., 2421 S. Michigan Ave. Filters, filter presses.

Chicago 16, Ill.—FILTER PAPER CO., 2421 S. Michigan Ave. Filter cloths and bags, filter papers, asbestos pads, filter aids.

Chicago 15, Ill.—WURSTER & SANGER, INC., 1337 E. 52nd St. Bleaching installations.

East Moline, Ill.—NIAGARA FILTERS DIV., American Machine & Metals, Inc. Filters; filter papers, cloths; filter presses.

Louisville 1, Ky.—GIRDLER PROCESS EQUIPMENT DIV. Continuous vacuum bleaching plants.

Vicksburg, Mich.—RONNINGEN-PETTER CO., 2700 E. YZ Ave. Fluid filters and strainers for clarification of soybean oils.

Berlin, N. H.—BROWN CO., 650 Main St. Manufactures "Solka-Floc" a highly purified wood cellulose—an efficient filteraid.

Keene, N. H.—CARL SCHLEICHER & SCHUELL CO., 543 Washington St. Manufacturer of analytical and industrial filter papers in many grades and sizes to fit all filter presses.

Clifton, N. J.—H. REEVE ANGEL & CO., INC., 9 Bridewell Place. Filter paper for use in laboratory and plant.

Harrison, N. J.—T. SHRIVER & CO., INC., 882 Hamilton St. Filter presses, leaf filters and diaphragm pumps.

New York 16, N. Y.—JOHNS-MANVILLE, 22 E. 40th St. Celite (diatomaceous earth). Filter aids.

New York 38, N. Y.—L. A. SALOMON & BRO., 216 Pearl St. Bleaching agents, filter aids.

New York 19, N. Y.—FOSTER WHEELER CORP., 666 5th Ave.

Cleveland 14, Ohio—FILTER FABRICS INC., 1520 E. 17th St. Filter cloths for plate and frame presses. Filter blankets. Filter bags for solvent extraction process. Gauze and straining materials. Filter papers and discs.

Filtertown, Mt. Holly Springs, Pa.—THE EATON-DIKEMAN CO. Manufacturer of filter papers.

Oreland, Pa.—ACME PROCESS EQUIPMENT CO. Air filters.

Pittsburgh, Pa.—BLAW-KNOX CO., chemical plants div. Also Chicago 1, Ill. Bleaching and filtering.

CATALYSTS

Los Angeles 23, Calif.—FILTRAL CORP., 3250 E. Washington Blvd. Plants at Vernon, Calif.; Jackson, Miss.; Salt Lake City, Utah. Cracking catalysts. Powder and pelleted alumina for catalyst base.

New York, N. Y.—E. F. DREW & CO., INC., 15 E. 26th St. Plant at Boonton, N. J.

Cleveland 6, Ohio—HARSHAW CHEMICAL CO., 1945 E. 97th St.

Chattanooga, Tenn.—RANEY CATALYST CO., INC., 1322 Hamilton National Bank Bldg.

COMPLETE PLANTS

Atlanta, Ga.—DAVIDSON-KENNEDY CO., 1090 Jefferson St. N. W., P. O. Box 2427. Also P. O. Box 189, Chicago Heights, Ill. Solvent extraction plants complete. Engineers and constructors.

Chicago 15, Ill.—WURSTER & SANGER, INC., 1337 E. 52nd St. Designs and constructs continuous solvent extraction, degumming, neutralization, bleaching, hydrogenation, deodorization, shortening, margarine, fatty acid distillation, fat splitting, soap and glycerine equipment.

Chicago Heights, Ill.—DAVIDSON-KENNEDY ASSOCIATES CO., 2719 Chicago Rd., P. O. Box 189. Also at 1090 Jefferson St., P. O. Box 2427, Atlanta, Ga. Surveys, complete plant design, process equipment, and plant construction.

Park Ridge, Ill.—ENGINEERING MANAGEMENT, INC., 18 S. Northwest Hwy. Solvent extraction, oil refining, bleaching, hydrogenation, deodorization, degumming and lecithin drying, fat splitting and fatty acid distillation.

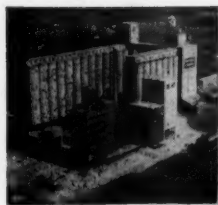
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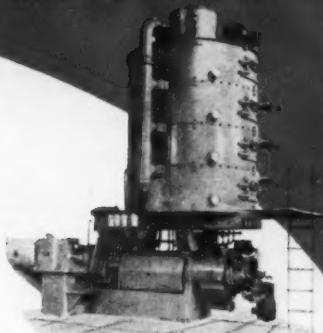
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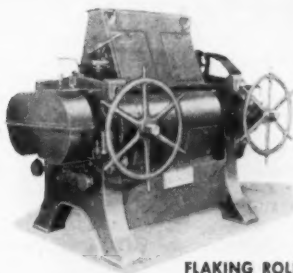


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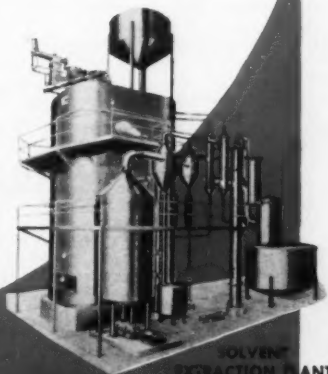
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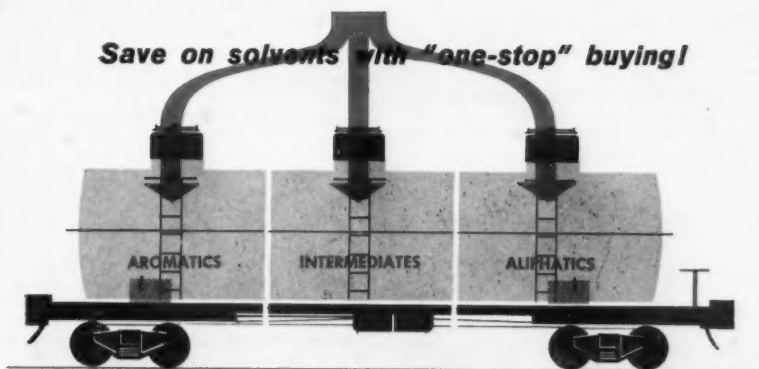
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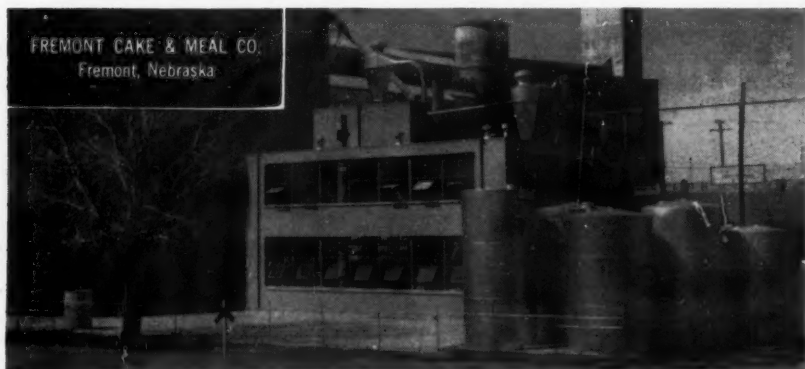
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Most statistical tables appearing in the 1960 Soybean Blue Book were compiled by George W. Kromer, agricultural economic statistician of the statistical and historical research branch, Agricultural Marketing Service, U. S. Department of Agriculture.

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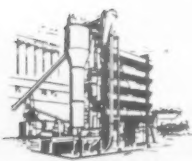
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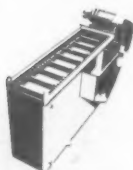
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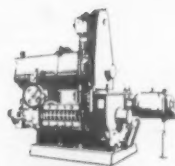
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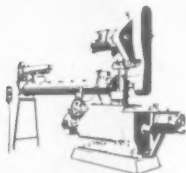
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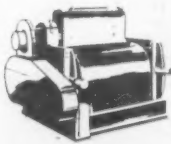
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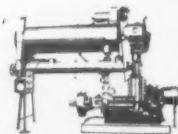
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